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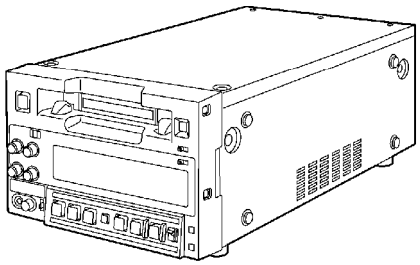
D26

Service Manual

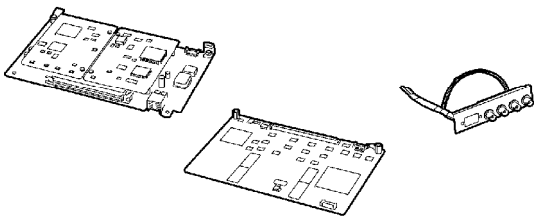
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DVCPRO HD EX

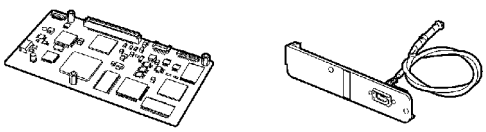
AJ-HD1200AP / AJ-HD1200AE / AJ-HD1200AMC / AJ-YA120AG / AJ-YAD120AG



AJ-HD1200A



AJ-YA120AG



AJ-YAD120AG

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Please refer to the Operating Instructions in the appendix folder. / (Go to Appendix List)

AJ-HD1200AP

Specifications

[GENERAL]

Power supply:
AC (100-240) V ±10%, 50/60 Hz
DC 12V, 6.6 A
Power consumption:
69 W (main unit only)
97 W (when AJ-YA120AG, AJ-YAD120AG are installed)

⚠ indicates safety information.

Ambient operating temperature:
41°F to 104°F (5°C to 40°C)
Ambient operating humidity:
10% to 80% (no condensation)
Weight:
17.38 lb (7.9 kg)
Dimensions (W×H×D):
8 7/16×5 1/4×16 7/8 inches (214×132×428 mm)
Recording format*1, *2**:**
DVCPRO HD-LP
Recording video signals*1, *2**:**
1080i/59.94 Hz, 720p/59.94 Hz, 1080i/50 Hz switchable
Recording audio signals*1**:**
48 kHz, 16 bits, 8 channels
Recording tracks*1**:**
- Digital video/audio: Helical track
- Time code: Helical track (sub code area)
- Cue signal: 1 track
- Control (CTL) signal: 1 track

Playback formats:
DVCPRO HD-LP, DVCPRO HD, DVCPRO50, DVCPRO P, DVCPRO, DV-SP, DVCAM
Tape speed:
67.64 mm/sec. (in 59.94 Hz mode)
67.70 mm/sec. (in 60/50 Hz mode)
Recording time:
92 min. (when using AJ-HP92EL)
Tapes used:
Metal tapes
FF/REW time:
Approx. 2 min. (when using AJ-HP92ELG)

[VIDEO]

■ Digital video

Sampling frequency
Y: 74.25 MHz
PB/PR: 37.125 MHz
Quantizing:
8 bits
Video compression system:
DCT + variable length code
Video compression ratio:
1/6.7
Error correction:
Reed-Solomon product code
Video recording bit rate:
100 Mbps

■ Video input connectors*1

HD serial digital input:
BNC ×1
(compliant with SMPTE 292M/296M/299M standards)
Reference input:
Black burst/HD tri-level sync automatic switching
BNC ×2 (loop-through ×1)
75Ω termination ON/OFF switchable

■ Video output connectors

HD serial digital output*1**:**
BNC ×2
(compliant with SMPTE 292M/296M/299M standards)
(information superimposing ON/OFF)
SD serial digital output*1**:**
BNC ×1 (compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)
(information superimposing ON/OFF)
Analog composite output:
BNC ×2
VIDEO1*2, VIDEO2
(information superimposing ON/OFF)
HD analog component output:
BNC ×3*3 (Y/PB/PR, R/G/B switchable)
(information superimposing ON/OFF)

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.
*3: The VIDEO1 and HD analog component Y outputs are switched.

■ Video output adjustment ranges

HD serial digital output system phase*1**:**
1080i: ±0.5H (in 13.5ns increments)
59/60 Hz: ±1100 samples
50 Hz: ±1320 samples
23/24 Hz: ±1375 samples
720p: ±0.5H (in 13.5ns increments)
59/60 Hz: ±825 samples
SD serial digital/composite video output system phase*1**:**
±0.5H (in 37ns increments)
59 Hz: ±858 samples
50 Hz: ±864 samples
Composite video output SC phase:
±180 deg. or more

[AUDIO]

■ Digital audio

Sampling frequency:
48 kHz (synchronized with video)
Quantizing:
16 bits
Frequency response:
20 Hz to 20 kHz ±1 dB (at reference level)
Dynamic range:
More than 85 dB (1 kHz, emphasis OFF)
Distortion:
Less than 0.1% (1 kHz, emphasis OFF, reference level)
Crosstalk:
Less than −80 dB (1 kHz, between 2 channels)
Wow & flutter:
Below measurable limits
Headroom:
20 dB

■ Audio input connectors*1

Analog input (CH1, CH2, CH3, CH4):
XLR ×4, 600 Ω/high impedance switchable
(default: 600 Ω)
+4/0/−20 dBm/−60 dBu switchable
(The impedance is set to 3 kΩ when −60 dB is selected)
HD serial digital input:
BNC ×1, 75 Ω,
Compliant with SMPTE 292M/296M/299M standard

■ Audio output connectors

Analog output (CH1, CH2, CH3, CH4):
XLR ×4, low impedance
+4/0/−20 dBm (with 600 Ω load) switchable
Monitor output L or R switchable for CH3/CH4 output
HD serial digital output*1**:**
BNC ×2, 75 Ω
(compliant with SMPTE 292M/296M/299M standard)
SD serial digital output*1**:**
BNC ×1, 75 Ω
(compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)
Monitor output (L, R):
PHONO ×2, 600 Ω, −8 dBv
Headphone output:
Stereo (6 mm diameter), 8 Ω, level variable

[OTHER CONNECTORS]

Time code input*1**:**
BNC ×1, 0.5 to 8V [p-p], 10 kΩ
Time code output:
BNC ×1, low impedance, 2.0 ±0.5 V [p-p]
(with 600 Ω load)
RS-422A input:
D-sub 9-pin, for AJ-A95
RS-422A interface
DC power output:
4 pins ×1, DC 12 V, 250 mA, for AJ-A95
DV input/output connector:
Connector:
6-pin type
Transmission rate:
400 Mbps, 200 Mbps, 100 Mbps;selectable
Transmission data:
Compliant with IEEE 1394-1995
Compliant with IEC 61883-Part1, Part2
Control command:
Compliant with AV/C command set (General Ver 3.0, VCR Subunit Ver 2.01)

[OPTIONS]

HD SDI input/output SD SDI output board:
AJ-YA120AG
Digital video input/output board:
AJ-YAD120AG

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

AJ-HD1200AE
Specifications

[GENERAL]

Power supply:
AC (100-240) V ±10%, 50/60 Hz
DC 12V, 6.6 A
Power consumption:
69 W (main unit only)
97 W (when AJ-YA120AG, AJ-YAD120AG are installed)

indicates safety information.

Ambient operating temperature:
41°F to 104°F (5°C to 40°C)
Ambient operating humidity:
10% to 80% (no condensation)
Weight:
17.38 lb (7.9 kg)
Dimensions (W×H×D):
8 7/16×5 1/4×16 7/8 inches (214×132×428 mm)
Recording format*1, *2**:**
DVCPRO HD-LP
Recording video signals*1, *2**:**
1080i/59.94 Hz, 720p/59.94 Hz, 1080i/50 Hz switchable
Recording audio signals*1**:**
48 kHz, 16 bits, 8 channels
Recording tracks*1**:**
- Digital video/audio: Helical track
- Time code: Helical track (sub code area)
- Cue signal: 1 track
- Control (CTL) signal: 1 track

Playback formats:
DVCPRO HD-LP, DVCPRO HD, DVCPRO50, DVCPRO P, DVCPRO, DV-SP, DVCAM
Tape speed:
67.64 mm/sec. (in 59.94 Hz mode)
67.70 mm/sec. (in 60/50 Hz mode)
Recording time:
92 min. (when using AJ-HP92EL)
Tapes used:
Metal tapes
FF/REW time:
Approx. 2 min. (when using AJ-HP92ELG)

[VIDEO]

■ Digital video
Sampling frequency
Y: 74.25 MHz
PB/PR: 37.125 MHz
Quantizing:
8 bits
Video compression system:
DCT + variable length code
Video compression ratio:
1/6.7
Error correction:
Reed-Solomon product code
Video recording bit rate:
100 Mbps

■ Video input connectors*1
HD serial digital input:
BNC ×1
(compliant with SMPTE 292M/296M/299M standards)
Reference input:
Black burst/HD tri-level sync automatic switching
BNC ×2 (loop-through ×1)
75Ω termination ON/OFF switchable

■ Video output connectors
HD serial digital output*1**:**
BNC ×2
(compliant with SMPTE 292M/296M/299M standards)
(information superimposing ON/OFF)
SD serial digital output*1**:**
BNC ×1 (compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)
(information superimposing ON/OFF)
Analog composite output:
BNC ×2
VIDEO1*3, VIDEO2
(information superimposing ON/OFF)
HD analog component output:
BNC ×3*3 (Y/PB/PR, R/G/B switchable)
(information superimposing ON/OFF)

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.
*3: The VIDEO1 and HD analog component Y outputs are switched.

■ Video output adjustment ranges
HD serial digital output system phase*1**:**
1080i: ±0.5H (in 13.5ns increments)
59/60 Hz: ±1100 samples
50 Hz: ±1320 samples
23/24 Hz: ±1375 samples
720p: ±0.5H (in 13.5ns increments)
59/60 Hz: ±825 samples
SD serial digital/composite video output system phase*1**:**
±0.5H (in 37ns increments)
59 Hz: ±858 samples
50 Hz: ±864 samples
Composite video output SC phase:
±180 deg. or more

■ Audio output connectors
Analog output (CH1, CH2, CH3, CH4):
XLR ×4, low impedance
+4/0/–20 dBm (with 600 Ω load) switchable
Monitor output L or R switchable for CH3/CH4 output
HD serial digital output*1**:**
BNC ×2, 75 Ω
(compliant with SMPTE 292M/296M/299M standard)
SD serial digital output*1**:**
BNC ×1, 75 Ω
(compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)
Monitor output (L, R):
PHONO ×2, 600 Ω, –8 dBv
Headphone output:
Stereo (8 mm diameter), 8 Ω, level variable

[AUDIO]

■ Digital audio
Sampling frequency:
48 kHz (synchronized with video)
Quantizing:
16 bits
Frequency response:
20 Hz to 20 kHz ±1 dB (at reference level)
Dynamic range:
More than 85 dB (1 kHz, emphasis OFF)
Distortion:
Less than 0.1% (1 kHz, emphasis OFF reference level)
Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)
Wow & flutter:
Below measurable limits
Headroom:
18 dB

■ Audio input connectors*1
Analog input (CH1, CH2, CH3, CH4):
XLR ×4, 600 Ω/high impedance switchable (default: 600 Ω)
+4/0/–20 dBm/–60 dBu switchable
(The impedance is set to 3 kΩ when –60 dB is selected)
HD serial digital input:
BNC ×1, 75 Ω,
Compliant with SMPTE 292M/296M/299M standard

[OTHER CONNECTORS]

Time code input*1**:**
BNC ×1, 0.5 to 8V [p-p], 10 kΩ
Time code output:
BNC ×1, low impedance, 2.0 ±0.5 V [p-p] (with 600 Ω load)
RS-422A input:
D-sub 9-pin, for AJ-A95
RS-422A interface
DC power output:
4 pins ×1, DC 12 V, 250 mA, for AJ-A95
DV input/output connector:
Connector:
6-pin type
Transmission rate:
400 Mbps, 200 Mbps, 100 Mbps selectable
Transmission data:
Compliant with IEEE 1394-1995
Compliant with IEC 61883-Part1, Part2
Control command:
Compliant with AV/C command set (General Ver 3.0, VCR Subunit Ver 2.01)

[OPTIONS]

HD SDI input/output SD SDI output board:
AJ-YA120AG
Digital video input/output board:
AJ-YAD120AG

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

AJ-YA120AG

Specifications

[HD-SDI input/output/SD-SDI output board]

Dimensions (W×H×D), weight

- SDI connector panel:
  1 3/16×4 7/16×1 1/16 inches (30×112×26 mm), 0.176 lb (80 g)
- SDI board:
  6 1/2×4 1/2×7/8 inches (165×114×21 mm), 0.396 lb (180 g)
- UDC board:
  6 5/16×4×11/16 inches (160×101×17 mm), 0.22 lb (100 g)

[VIDEO]

Quantizing:
Input 10 bits (8 bits recorded)

HD video input:
BNC ×1, compliant with SMPTE292M/296M standards

HD video outputs:
BNC ×2, compliant with SMPTE292M/296M standards
(information superimposing ON/OFF)

SD video output:
BNC ×1, compliant with SMPTE259M-C/272M-A/ITU-R, BT.656-4 standards
(information superimposing ON/OFF)

Reference inputs:
BNC ×2 (loop-through ×1), 75 Ω termination, ON/OFF selectable
Black burst/HD tri-level sync automatic switching

Format conversion:

1080i/720p, 59.94 Hz	↔	480i, 59.94 Hz
1080i, 50 Hz	↔	576i, 50 Hz
1080i, 59.94 Hz/60 Hz	↔	720p, 59.94 Hz/60 Hz
720p, 59.94 Hz/60 Hz	→	1080i, 23.97 PsF/24 PsF
480p, 59.94 Hz	→	1080i/720p, 59.94 Hz
480p, 59.94 Hz	→	480i, 59.94 Hz
720p, 60 Hz	→	1080i, 25 PsF **(AJ-HD1200A only)**
720p, 60 Hz	→	576i, 50 Hz **(AJ-HD1200A only)**

[AUDIO]

HD audio input:
BNC ×1, compliant with SMPTE292M/296M/299M standard

HD audio outputs:
BNC ×2, compliant with SMPTE292M/296M/299M standard

SD audio output:
BNC ×1, compliant with SMPTE259M-C/272M-A/ITU-R, BT.656-4 standards

AJ-YAD120AG

Specifications

[Digital video interface board]

Dimensions (W×H×D), weight

- Option board:
  5 9/16×3×1/2 inches (140×75×12.6 mm), 0.1452 lb (66 g)
- Connector board:
  1 1/8×4 7/16×1 3/16 inches (28×112×30 mm), 0.099 lb (45 g)

[Input/Output]

Connector:
6-pin type

Transmission rate:
400 Mbps, 200 Mbps, 100 Mbps;selectable

Transmission data:
Compliant with IEEE 1394-1995
Compliant with IEC 61883-Part1, Part2

Control command:
Compliant with AV/C command set (General Ver 3.0、VCR Subunit Ver 2.01)

SAFETY PRECAUTIONS

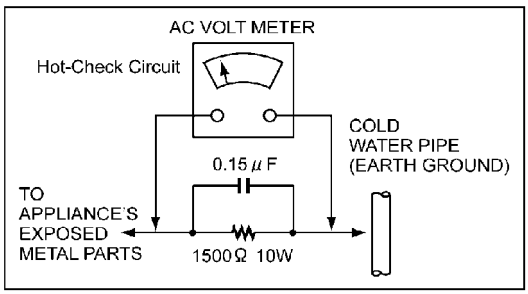
GENERAL GUIDELINES

1. **When servicing, observe the original lead dress. If a short / circuit is found, replace all parts, which have been over-heated or damaged by the short circuit.**
2. **After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.**
3. **After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.**

LEAKAGE CURRENT COLD CHECK

1. **Unplug the AC cord and connect a jumper between the two prongs on the plug.**
2. **Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5M Ω .**

Figure1



LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. **Plug the AC cord directly into the AC outlet. / Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10W resistor, in parallel with a 0.15 μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverses the AC plug in the AC outlet repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should**

be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF indication on the PCB.

Caution:

1. **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50-70°F (30-40°C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20°F (370±10°C).**
2. **Pb free solder will tend to splash when heated too high (about 1100°F /600°C).**

ELECTROSTATICALLY SENSITIVE (ES) DEVICES
Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. / Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded tip soldering iron to solder or unsolder ES devices.**

4. **Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. / (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed. / CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.**
8. **Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).**

X-RADIATION

WARNING

1. **The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.**
2. **When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.**

Note :
It is important to use an accurate periodically calibrated high voltage meter.

3. **Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ± 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-**

Radiation possibility, it is essential to use the specified picture tube.

AJ-HD1200AP

For your safety

IMPORTANT
"Unauthorized recording of copyrighted television programmes, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution
Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

■ **THIS APPARATUS MUST BE GROUNDED**
To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power outlet which is effectively grounded through normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to the ground. Incorrectly wired extension cords can be extremely hazardous.
The fact that the equipment operates satisfactorily does not imply that it is grounded, and the installation is not necessarily safe. For your safety, if in any doubt about the effective grounding of the equipment or power outlet, please consult a qualified electrician.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**
To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.
Refer servicing to qualified service personnel.

CAUTION:
THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.**

CAUTION:
Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:
Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

indicates safety information.

For your safety

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

Notice (U.S.A.only):
This product has a fluorescent lamp that contains a small amount of mercury.
It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations.
For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance:
<http://www.eiae.org.>

FCC Note:
This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warning:
To assure continued FCC emission limit compliance, the user must use only shielded interface cables when connecting to external units. Also any unauthorized changes or modifications to this equipment could Void the userÅfs authority to operate it.

CAUTION:
This apparatus can be operated at a voltage in the range of 100 - 240 V AC.
Voltage other than 120 V is not intended for U.S.A. and Canada.

CAUTION:
Operation at a voltage other than 120 V AC may require the use of a different AC plug. Please contact either a local or foreign Panasonic authorized service center for assistance in selecting an alternate AC plug.

indicates safety information.

AJ-HD1200AE

For your safety

IMPORTANT

"Unauthorized recording of copyrighted television programmes, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

■ **THIS APPARATUS MUST BE EARTHED**

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal house-hold wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

CAUTION:

THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:

- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.**

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

▭ indicates safety information.

Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.

Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

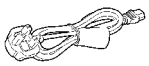
FOR CONTINENTAL EUROPE, ETC.

Not to be used in the U.K.



FOR U.K. ONLY

If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.



FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 13 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⓐ or the BSI mark ▽ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

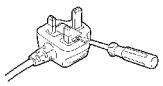
Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

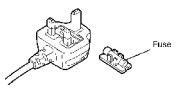
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



▭ indicates safety information.

AJ-YA120AG

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

indicates safety information.

AJ-YAD120AG

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

indicates safety information.

Panasonic

1. Service Information

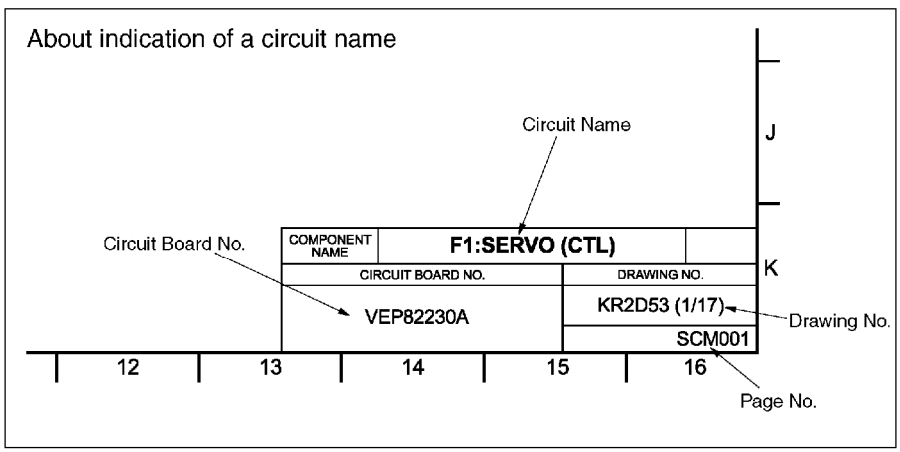
2. Disassembly Procedures

3. Mechanical Adjustment

4. Electrical Adjustment

5. Block Diagrams

6. Schematic Diagrams



NOTE

BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST.

CAUTION
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. / PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAI SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. / WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

6.1. AJ-HD1200A

6.1.1. MOTHER (VEP80C73B)

6.1.2. RF/EQ (VEP85214B)

6.1.3. APROC (VEP84393B)

6.1.4. REC PB (VEP83624B)

6.1.5. VOUT SYS (VEP83625B)

6.1.6. RF/CUE (VEP85215A)

6.1.7. RFEQ SUB (VEP85218A)

6.1.8. A I/O (VEP84368B)

6.1.9. POWER1 (VEP81203E)

6.1.10. SUB POWER (VEP81233A)

6.1.11. POWER2 (VEP81219B)

6.1.12. POWER3 (VEP81232B)

6.1.13. POWER CONNECT (VEP80A88A)

6.1.14. FRONT (VEP86343A)

6.1.15. FRONT KEY (VEP86344A)

6.1.16. SERVO (VEP82249B)

6.1.17. MECH IF (VEP82250A)

6.1.18. MAIN (VEP86346A)

6.1.19. PB VR (VEP86283A)

6.1.20. V JACK (VEP83626A)

6.1.21. A JACK (VEP84394A)

6.1.22. FRONT CONNECT (VEP86336A)

6.2. AJ-YAD120A

6.2.1. 1394 IF (VEP83651A)

6.2.2. V JACK SUB (VEP83644A)

6.3. AJ-YA120A

6.3.1. UDC (VEP83573H)

6.3.2. SGEN SDI (VEP83634A)

6.3.3. RX (VEP83631A)

6.3.4. TX (VEP83632A)

7. Major Part Location

NOTE
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST.

CAUTION
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. / PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAII SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. / WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

8. Mechanical Replacement Parts List & Exploded Views

NOTE:

1. Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICR
   (μ F), P= μ μ F.
3. The P.C. Board unit marked with " ■ " shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When rep
   any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item. / After the discontinuatior
   assembly in production, it will no longer be available.
7. "(M)" in Remark column indicates needed in the periodical maintenance.

8.1. AJ-HD1200A

8.2. AJ-YA120AG

8.3. AJ-YAD120AG

9. Electrical Replacement Parts List

NOTE:

1. Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICR
   (μ F), P= μ μ F.
3. The P.C. Board unit marked with " ■ " shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When rep
   any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item. / After the discontinuatior
   assembly in production, it will no longer be available.
7. "(M)" in Remark column indicates needed in the periodical maintenance.

9.1. AJ-HD1200A

9.2. AJ-YA120AG, AJ-YAD120AG

NOTE:

A list of parts is stored in data form in the CD-ROM. It is located within the folder APPENDIX/PARTS. Please use as necessary.

10. PDF for Printing

The PDF documents for printing consist of several files per section.Open every section (file) through a link (blue frame) on the cover.

● **Setting of Acrobat Reader**

To view a link in a new window, follow the procedure below. When you operate the PDF documents printing, you can open a PDF file of each section while displaying the cover page. This is convenier the PDF files in several sections.

<How to set> In the [File] menu, select [Preference] - [General...] and disable [Open Cross-Doc Link Window].

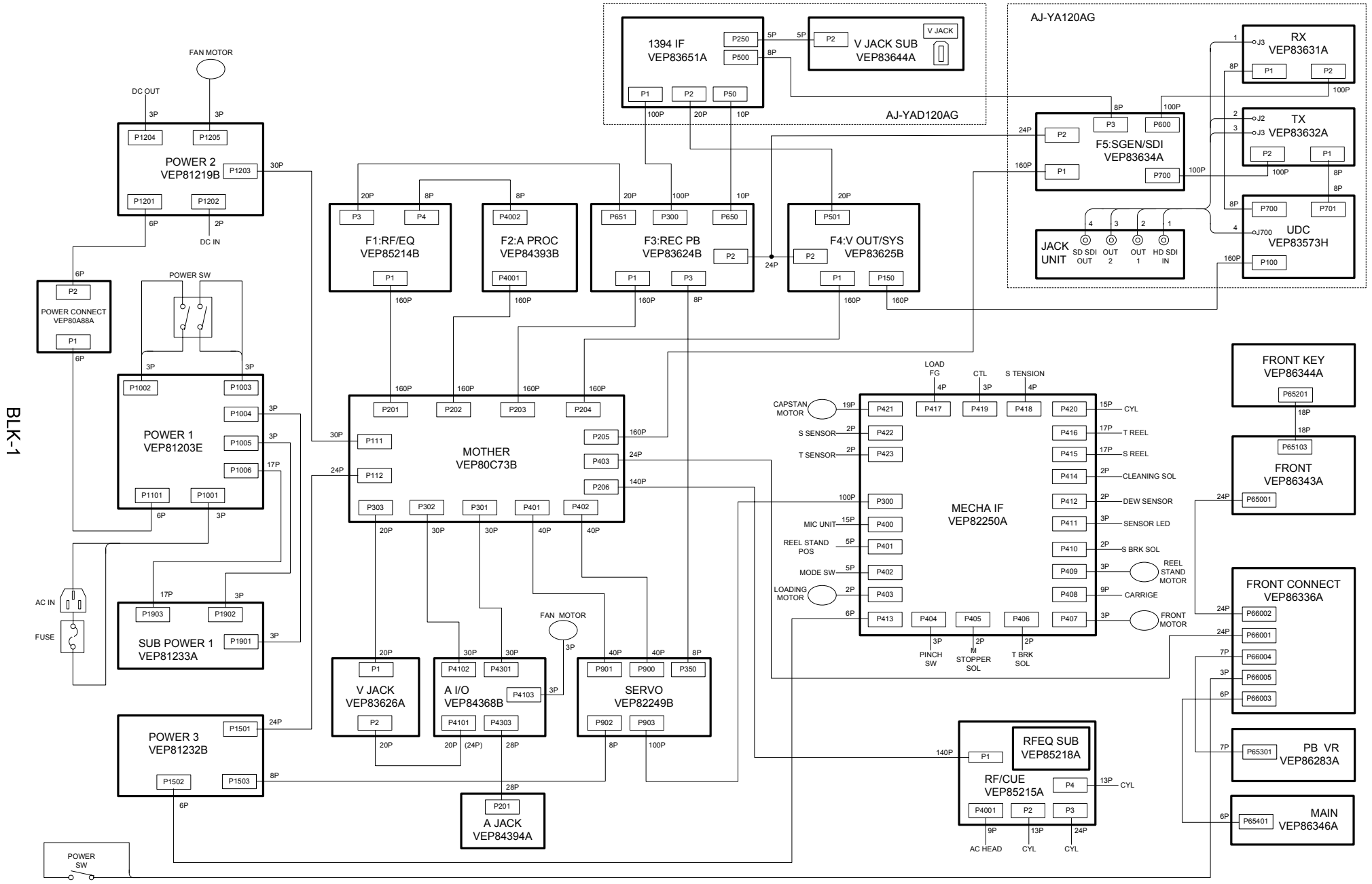
SECTION 5

BLOCK DIAGRAMS

CONTENTS

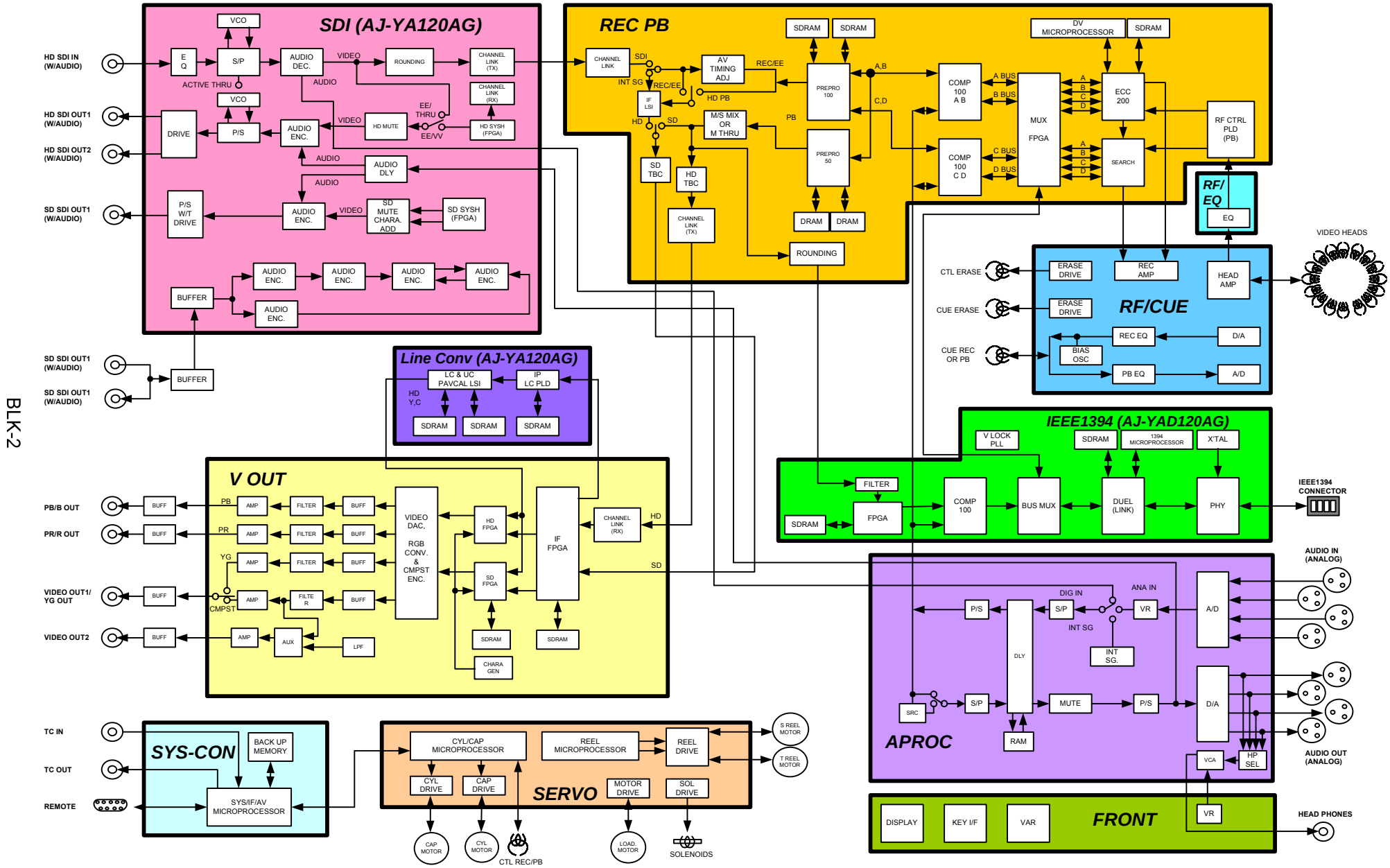
INTERCONNECTION BLK-1
OVERALL BLOCK DIAGRAM.....BLK-2
RF BLOCK DIAGRAM.....BLK-3
APROC BLOCK DIAGRAM BLK-4
REC PB BLOCK DIAGRAM.....BLK-5
V OUT BLOCK DIAGRAM BLK-6
SYS CONTROL BLOCK DIAGRAM BLK-7
CUE AUDIO BLOCK DIAGRAM BLK-8
SERVO BLOCK DIAGRAM.....BLK-9
IEEE1394 I/F (AJ-YAD120AG) BLOCK DIAGRAM BLK-10
UDC (AJ-YA120AG) BLOCK DIAGRAM.....BLK-11
SGEN/SDI (AJ-YA120AG) BLOCK DIAGRAM BLK-12

INTERCONNECTION

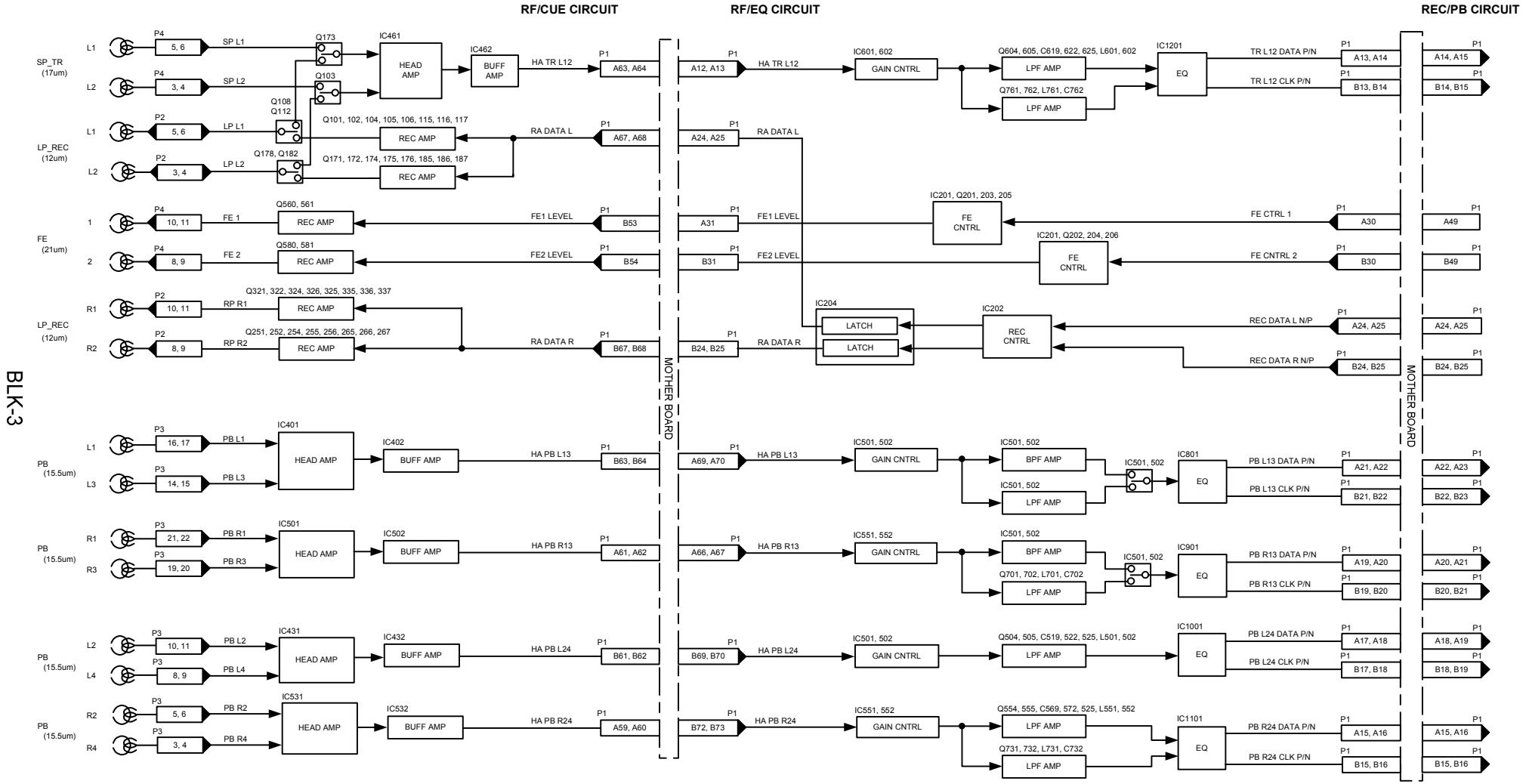


BLK-1

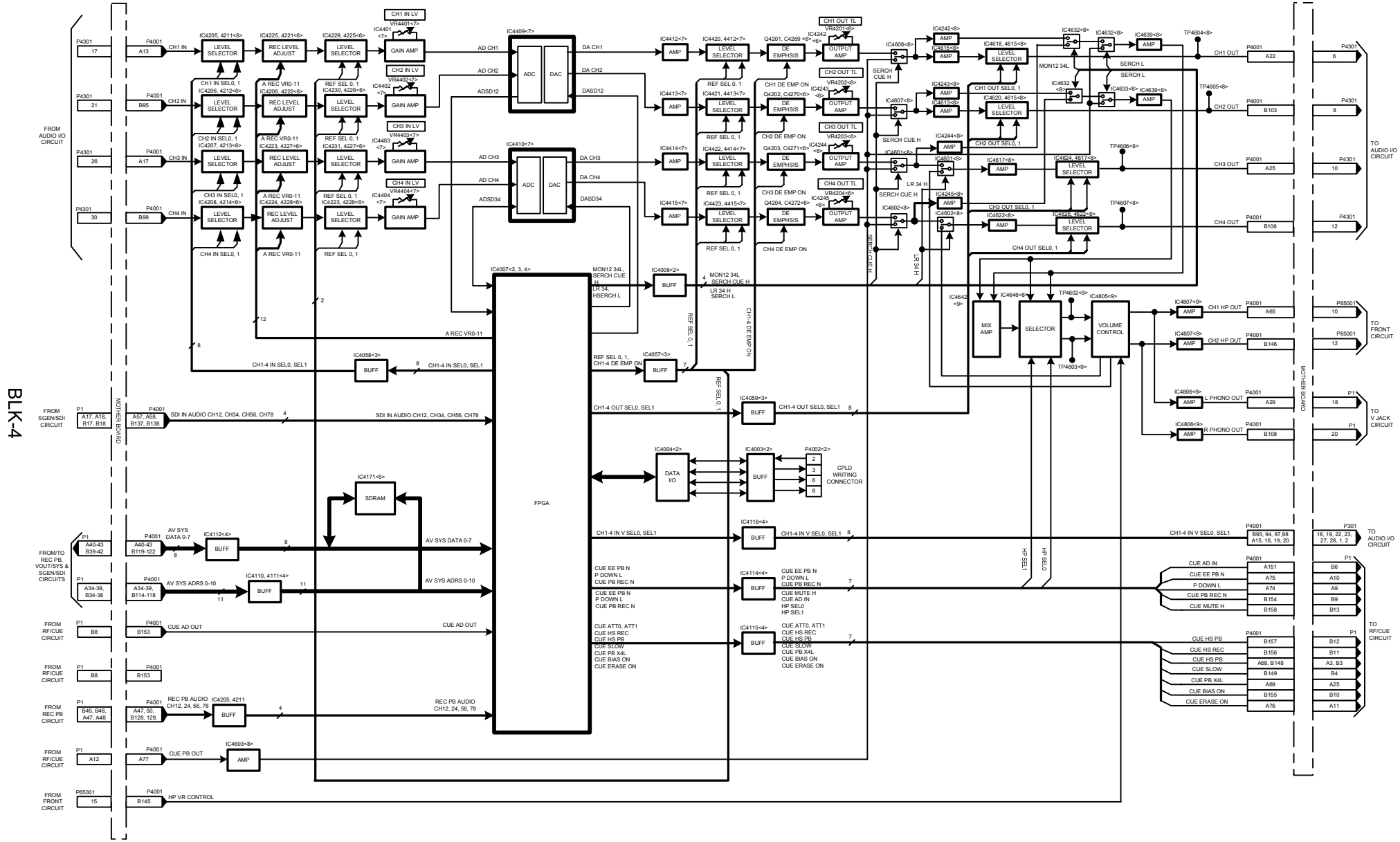
OVERALL BLOCK DIAGRAM



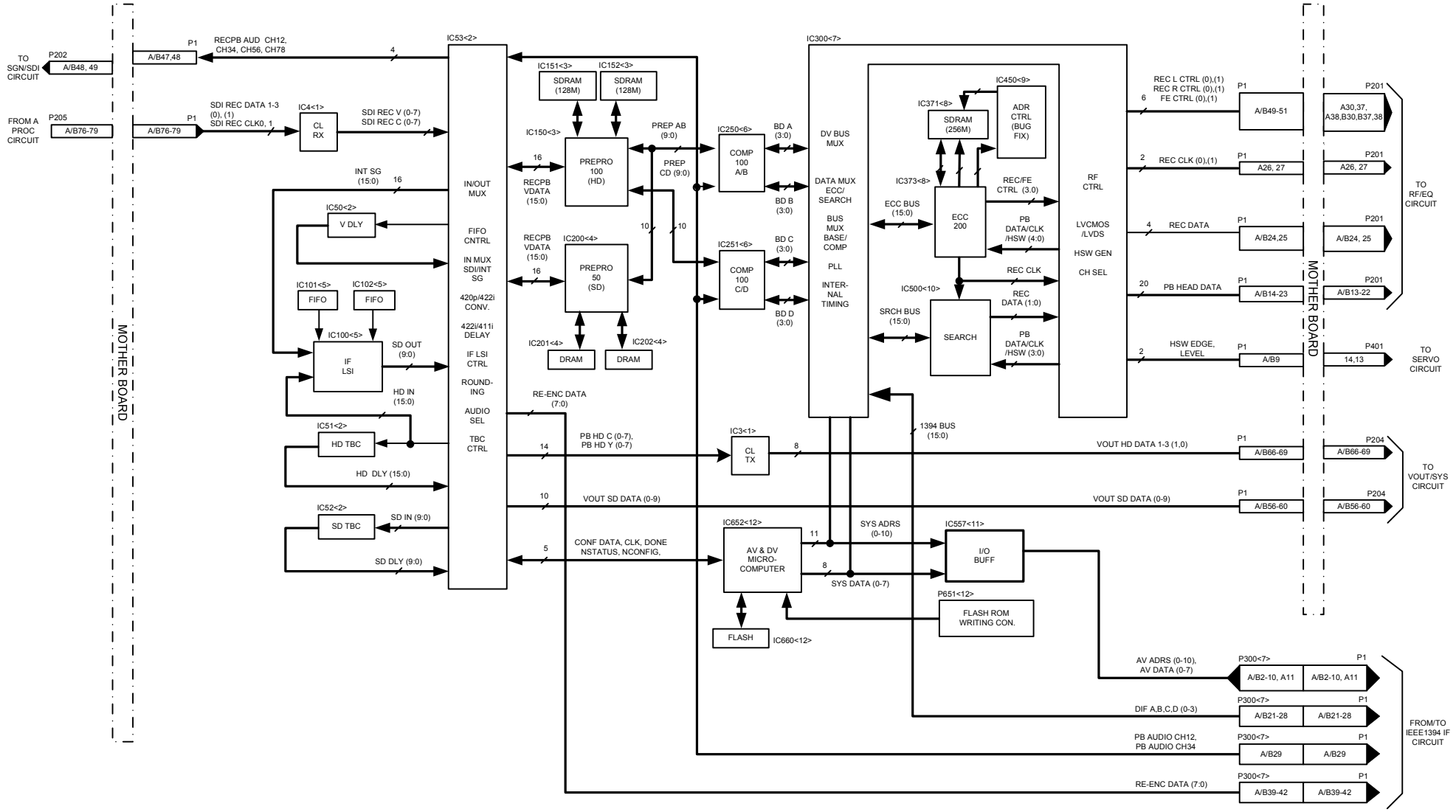
RF BLOCK DIAGRAM



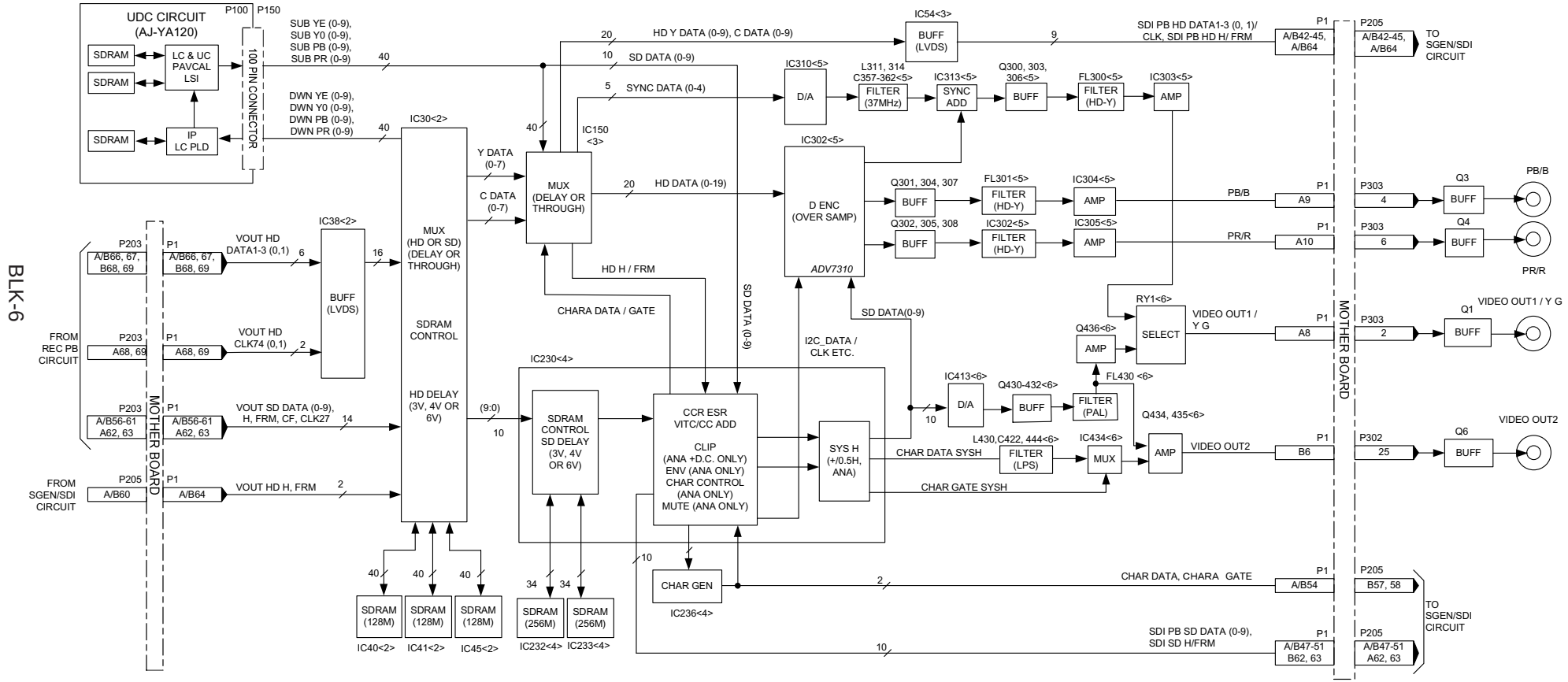
APROC BLOCK DIAGRAM



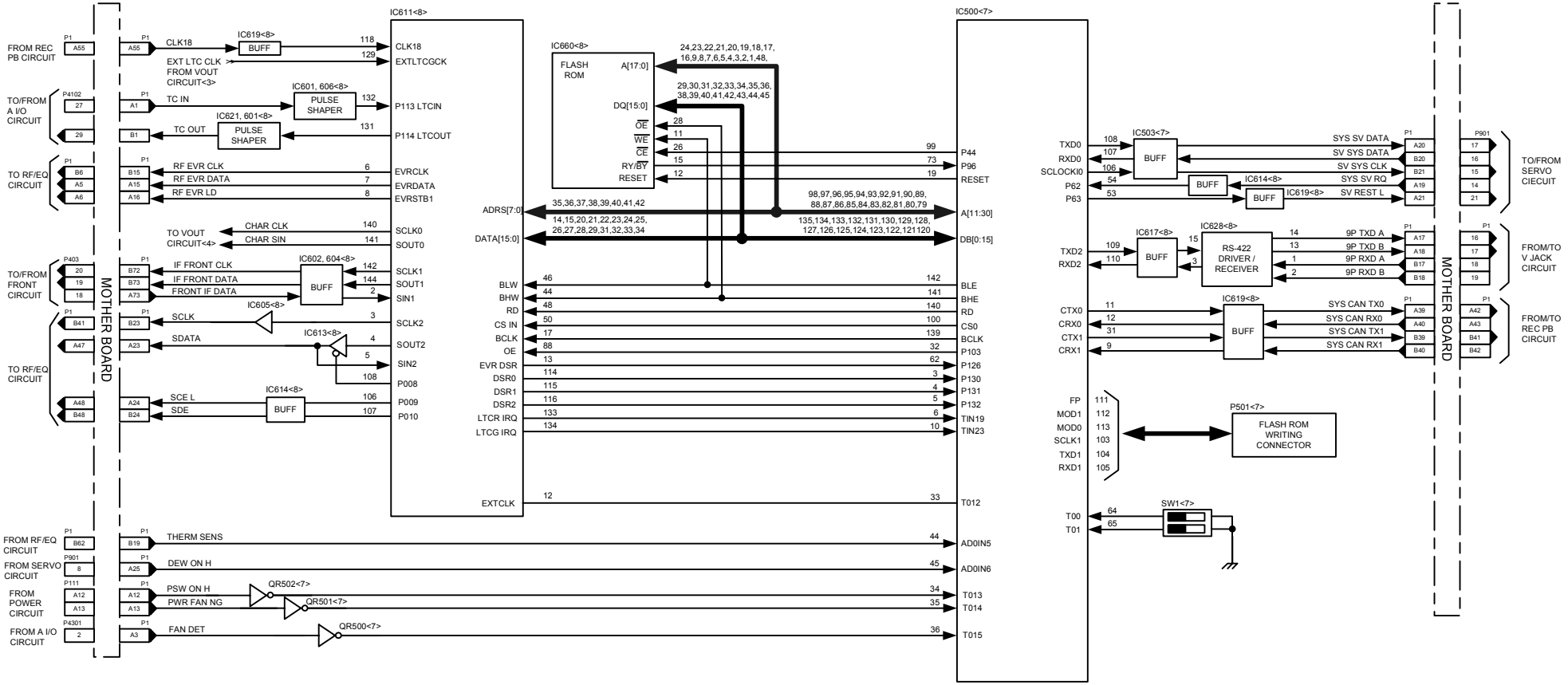
REC PB BLOCK DIAGRAM



V OUT BLOCK DIAGRAM

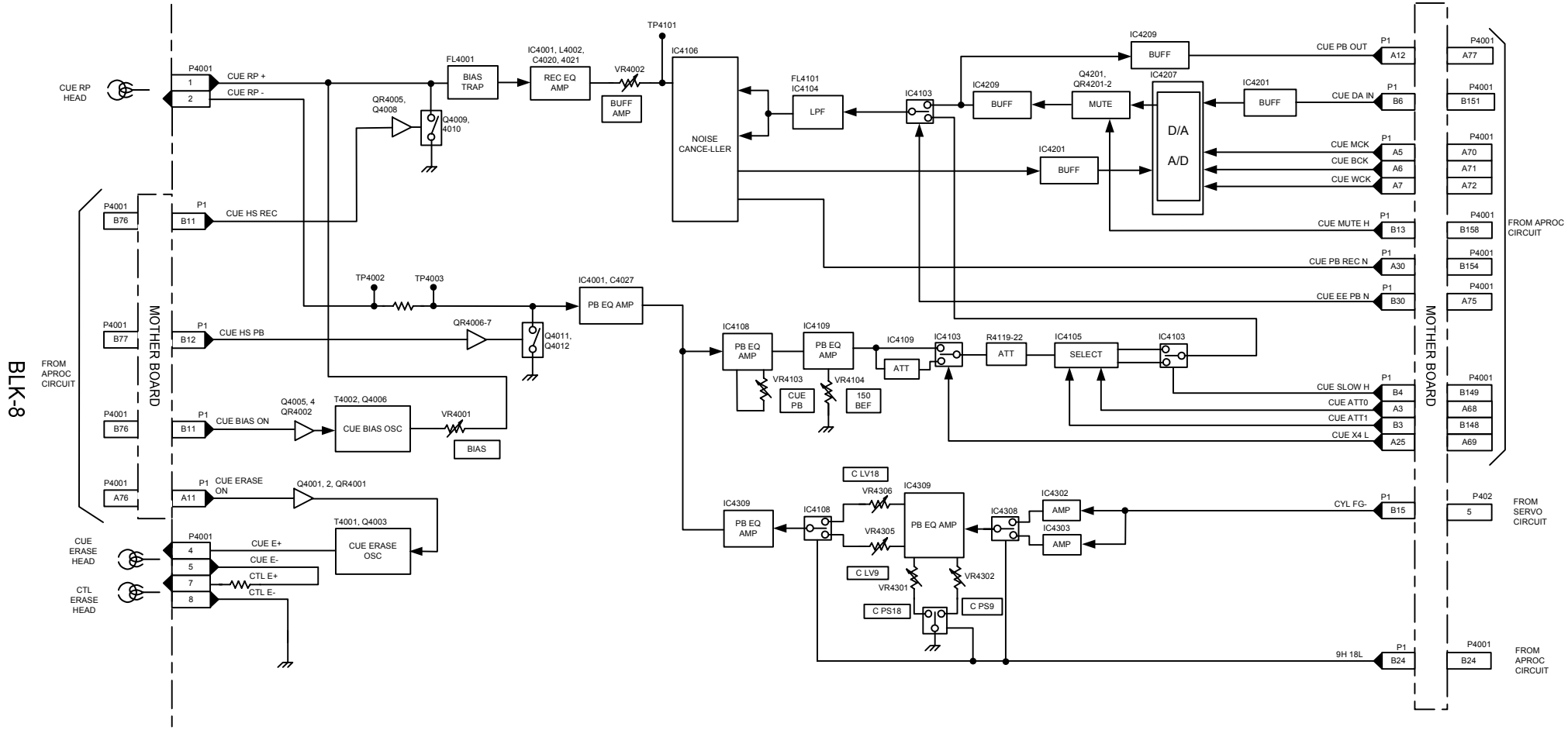


SYS CONTROL BLOCK DIAGRAM

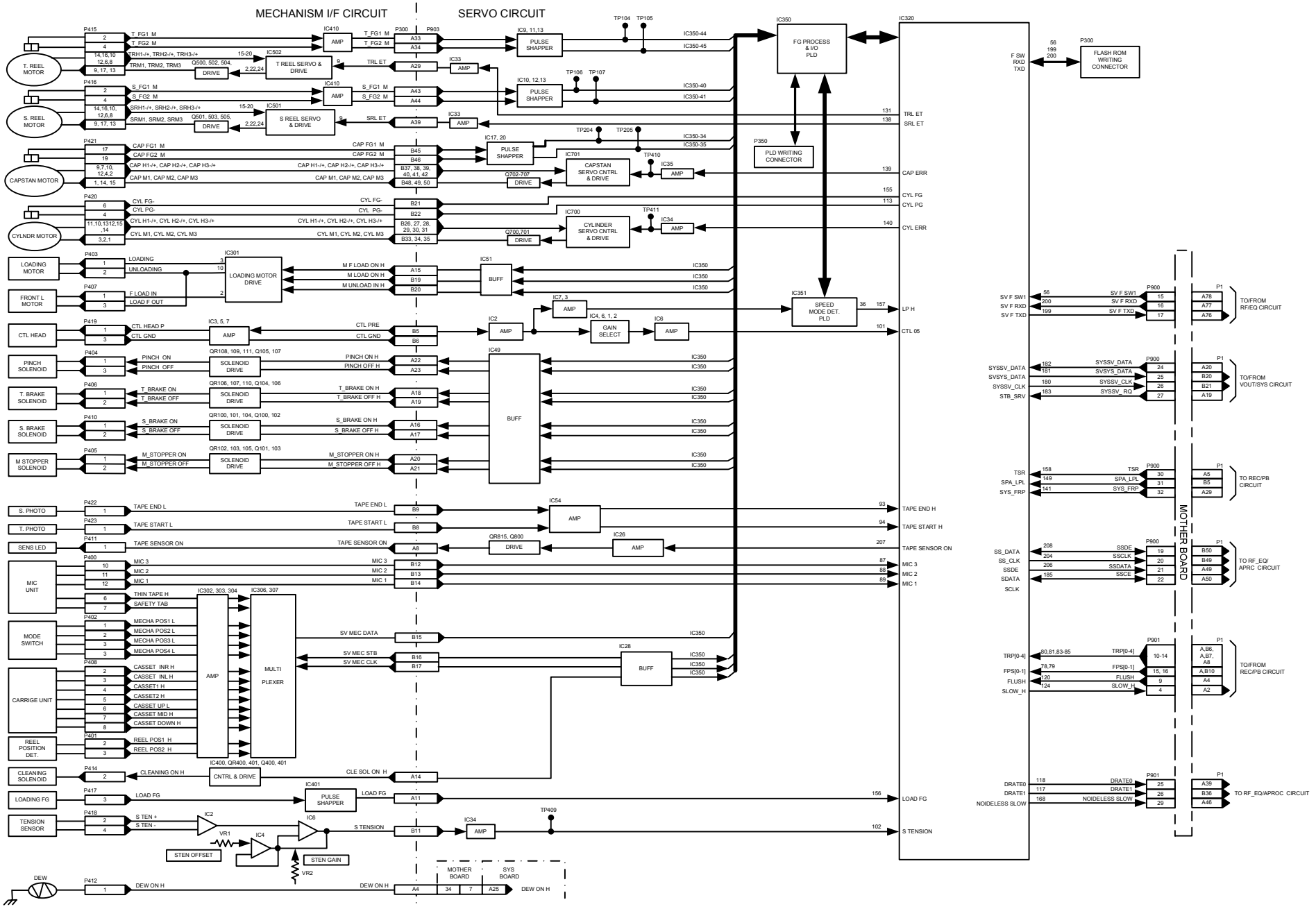


BLK-7

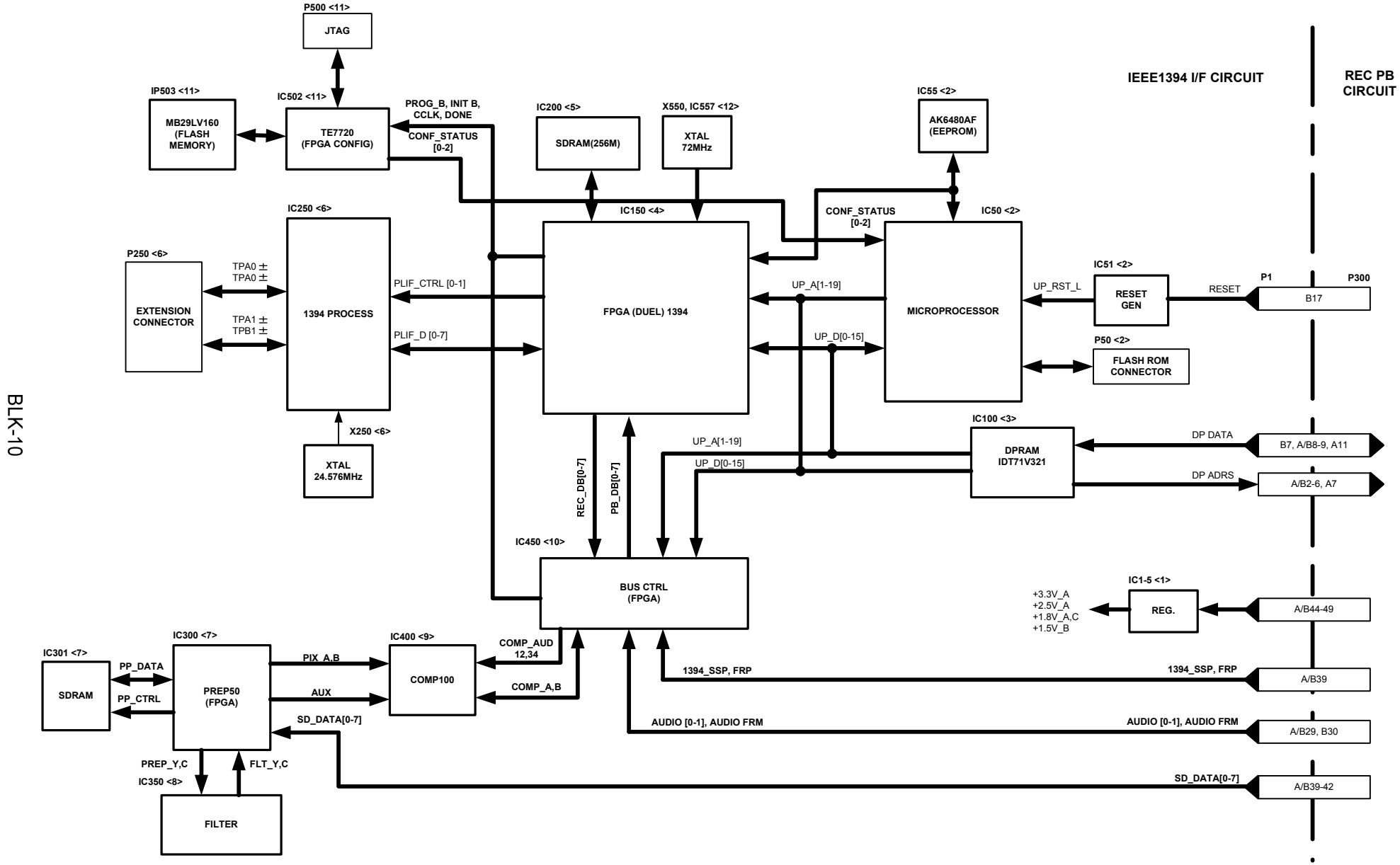
CUE AUDIO BLOCK DIAGRAM



SERVO BLOCK DIAGRAM

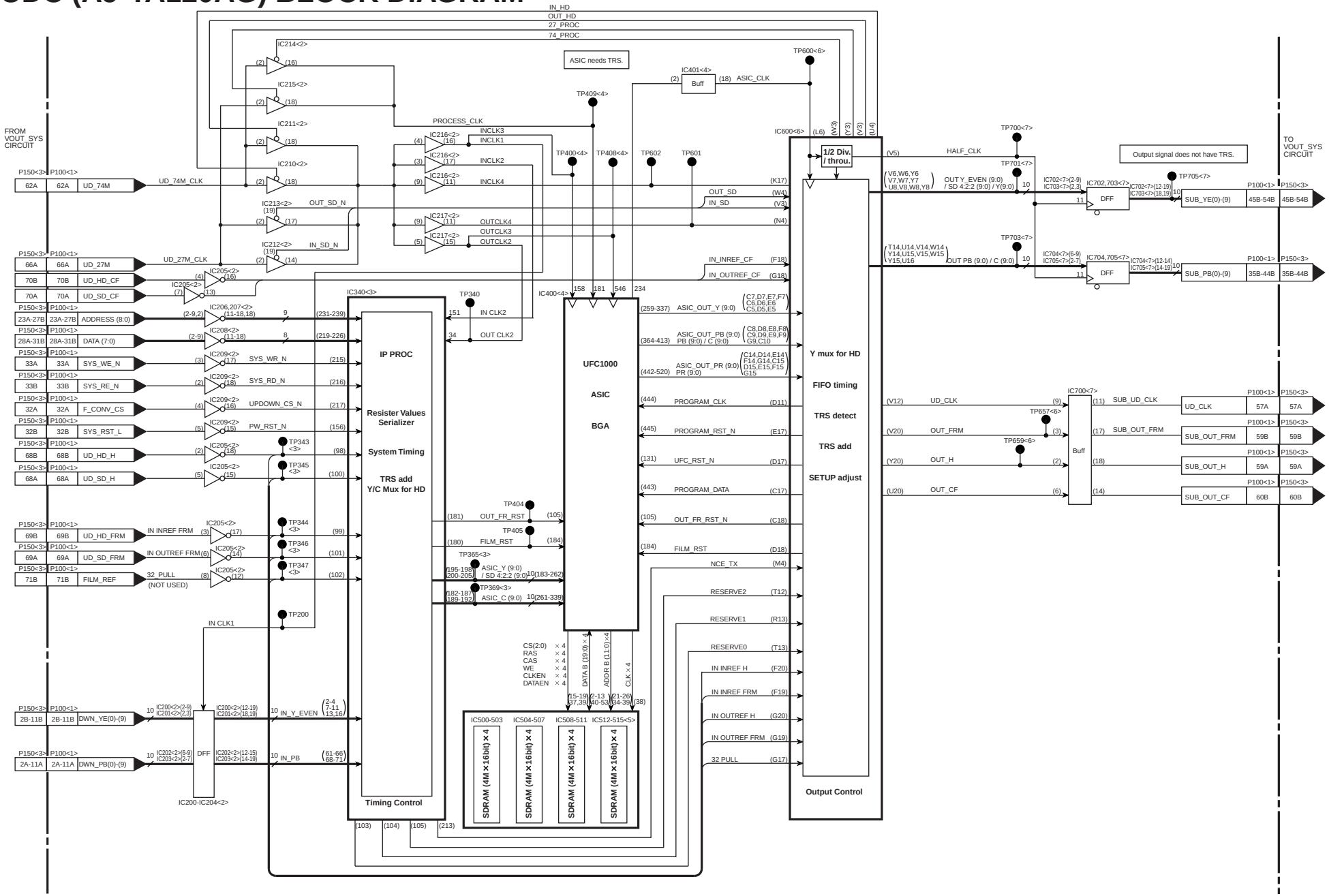


IEEE1394 I/F (AJ-YAD120AG) BLOCK DIAGRAM



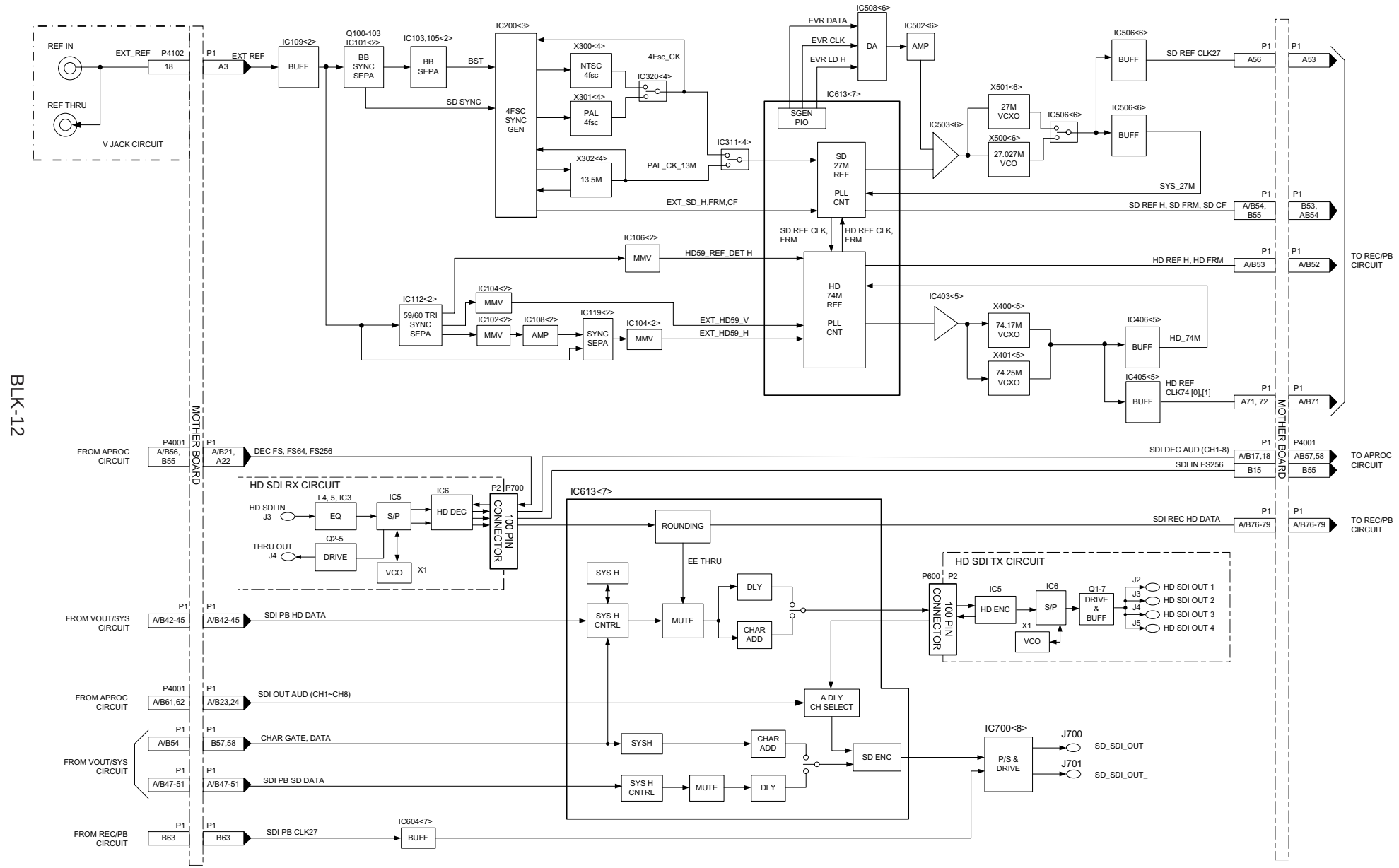
BLK-10

UDC (AJ-YA120AG) BLOCK DIAGRAM



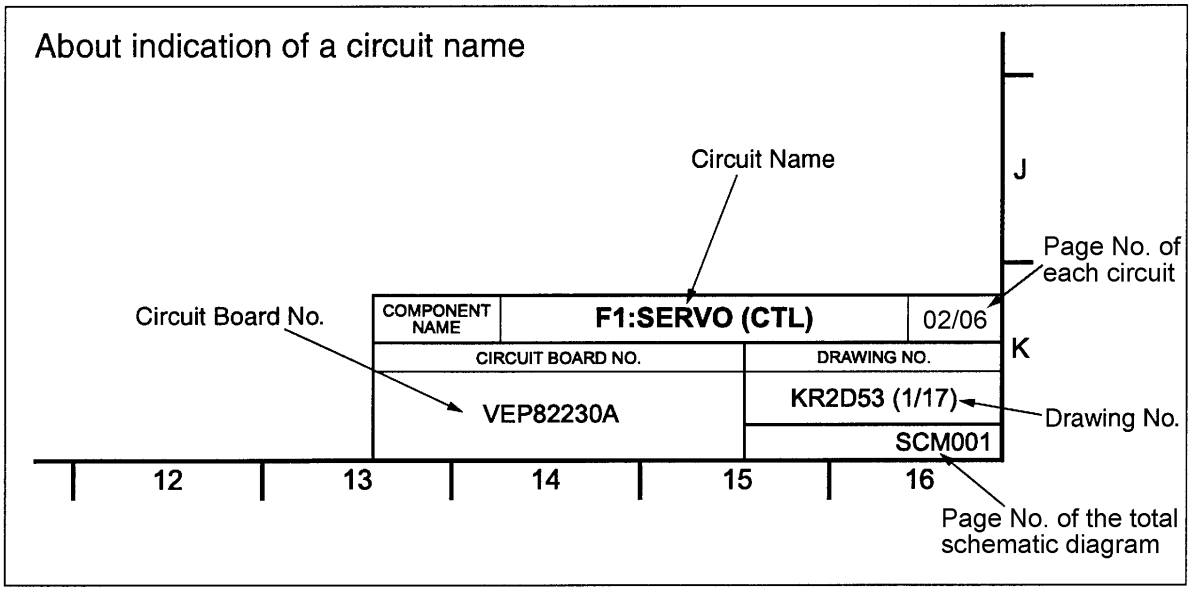
BLK-11

SGEN/SDI (AJ-YA120AG) BLOCK DIAGRAM



SECTION 6

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION8

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

<<AJ-HD1200A>>

MOTHER
MOTHER (1/3) SCM001
MOTHER (2/3) SCM002
MOTHER (3/3) SCM003

RF/EQ
RF/EQ (1/14) SCM004
RF/EQ (2/14) SCM005
RF/EQ (3/14) SCM006
RF/EQ (4/14) SCM007
RF/EQ (5/14) SCM008
RF/EQ (6/14) SCM009
RF/EQ (7/14) SCM010
RF/EQ (8/14) SCM011
RF/EQ (9/14) SCM012
RF/EQ (10/14) SCM013
RF/EQ (11/14) SCM014
RF/EQ (12/14) SCM015
RF/EQ (13/14) SCM016
RF/EQ (14/14) SCM017

APROC
APROC (1/9) SCM018
APROC (2/9) SCM019
APROC (3/9) SCM020
APROC (4/9) SCM021
APROC (5/9) SCM022
APROC (6/9) SCM023
APROC (7/9) SCM024
APROC (8/9) SCM025
APROC (9/9) SCM026

REC PB
REC PB (CONNECTOR) (1/12) SCM027
REC PB (DATA CONTROL) (2/12) SCM028
REC PB (PRE PROCESS100) (3/12) SCM029
REC PB (PRE PROCESS50) (4/12) SCM030
REC PB (IF LSI) (5/12) SCM031
REC PB (COMP100) (6/12) SCM032
REC PB (BUS CONTROL) (7/12) SCM033
REC PB (ECC200) (8/12) SCM034
REC PB (ADDRESS CONTROL) (9/12) SCM035
REC PB (SEARCH) (10/12) SCM036
REC PB (I/O BUFF) (11/12) SCM037
REC PB (AV/DV UCOM) (12/12) SCM038

VOUT SYS
VOUT SYS (CONNECTOR) (1/8) SCM039
VOUT SYS (HD/SD MUX) (2/8) SCM040
VOUT SYS (HD CONTROL) (3/8) SCM041
VOUT SYS (SD CONTROL) (4/8) SCM042
VOUT SYS (ENCODER) (5/8) SCM043
VOUT SYS (COMPOSITE OUT) (6/8) SCM044
VOUT SYS (SYS CPU) (7/8) SCM045
VOUT SYS (SYSCON(T/C)) (8/8) SCM046

RF/CUE
RF/CUE (1/11) SCM047
RF/CUE (2/11) SCM048
RF/CUE (3/11) SCM049
RF/CUE (4/11) SCM050
RF/CUE (5/11) SCM051
RF/CUE (6/11) SCM052
RF/CUE (7/11) SCM053
RF/CUE (8/11) SCM054
RF/CUE (9/11) SCM055
RF/CUE (10/11) SCM056
RF/CUE (11/11) SCM057

RFEQ SUB
RF/CUE SUB (1/1) SCM058

A I/O
A I/O (CONNECTOR) (1/5) SCM059
A I/O (OUTPUT12) (2/5) SCM060
A I/O (OUTPUT34) (3/5) SCM061
A I/O (OUTPUT12) (4/5) SCM062
A I/O (OUTPUT34) (5/5) SCM063

POWER1
POWER (1/2) SCM064
POWER (2/2) SCM065

SUB POWER
SUB POWER (1/1) SCM066

POWER2
POWER2 (1/4) SCM067
POWER2 (2/4) SCM068
POWER2 (3/4) SCM069
POWER2 (4/4) SCM070

POWER3
POWER3 (1/4) SCM071
POWER3 (2/4) SCM072
POWER3 (3/4) SCM073
POWER3 (4/4) SCM074

POWER CONNECT
POWER CONNECT (1/1) SCM075

FRONT
FRONT (1/3) SCM076
FRONT (2/3) SCM077
FRONT (3/3) SCM078

FRONT KEY
FRONTKEY (1/1) SCM079

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SERVO (CTL) (1/13) SCM080
SERVO (REEL FG) (2/13) SCM081
SERVO (CA CY FG) (3/13) SCM082
SERVO (CPU) (4/13) SCM083
SERVO (PLD) (5/13) SCM084
SERVO (CPU IF) (6/13) SCM085
SERVO (POWER) (7/13) SCM086
SERVO (SW2) (8/13) SCM087
SERVO (SWI) (9/13) SCM088
SERVO (CA CY CRV) (10/13) SCM089
SERVO (11/13) SCM090
SERVO (12/13) SCM091
SERVO (SOFT) (13/13) SCM092

MECH IF
MECH IF (1/7) SCM093
MECH IF (2/7) SCM094
MECH IF (3/7) SCM095
MECH IF (4/7) SCM096
MECH IF (PL DRV) (5/7) SCM097
MECH IF (FG/PG) (6/7) SCM098
MECH IF (REC CTL) (7/7) SCM099

MAIN
REC VR (1/1) SCM100

PB VR
PB VR (1/1) SCM101

V JACK
V JACK (1/1) SCM102

A JACK
A JACK (1/1) SCM103

FRONT CONNECT
FRONT CONNECT (1/1) SCM104

<<AJ-YAD120A>>

1394 IF

1394 IF (CONNECT) (1/12) SCM105
1394 IF (U COM) (2/12) SCM106
1394 IF (DPRA) (3/12) SCM107
1394 IF (DUEL) (4/12) SCM108
1394 IF (SDRAM) (5/12) SCM109
1394 IF (PHY) (6/12) SCM110
1394 IF (PREP50) (7/12) SCM111
1394 IF (FILTER) (8/12) SCM112
1394 IF (COMP100) (9/12) SCM113
1394 IF (BUS CTRL) (10/12) SCM114
1394 IF (CONFIG) (11/12) SCM115
1394 IF (PLL) (12/12) SCM116

V JACK SUB

V JACK SUB (1/1) SCM117

<<AJ-YA120A>>

UDC

UDC (CONNECTOR) (1/7) SCM118
UDC (I/O BUFF) (2/7) SCM119
UDC (I/P PROC) (3/7) SCM120
UDC (UFC ASIC) (4/7) SCM121
UDC (SDRAM) (5/7) SCM122
UDC (OUT PROC) (6/7) SCM123
UDC (OUT BUFF) (7/7) SCM124

SGEN SDI

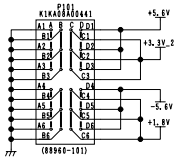
SGEN SDI (CONNECTOR) (1/8) SCM125
SGEN SDI (SYNC SEP) (2/8) SCM126
SGEN SDI (4FSC SGEN) (3/8) SCM127
SGEN SDI (4FSC PLL) (4/8) SCM128
SGEN SDI (HD PLL) (5/8) SCM129
SGEN SDI (SD PLL) (6/8) SCM130
SGEN SDI (HD SDI RX PROC) (7/8) SCM131
SGEN SDI (SDI TX) (8/8) SCM132

RX

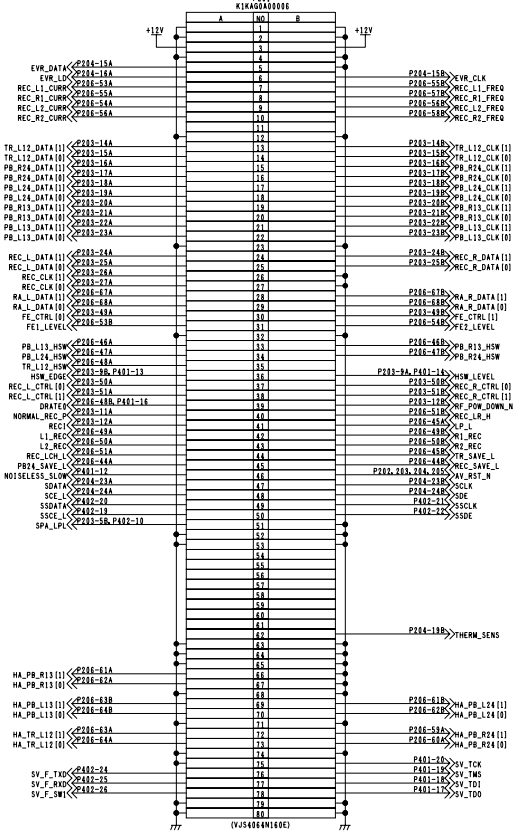
HD SDI RX (PLD) (1/3) SCM133
HD SDI RX (EQ,S/P) (2/3) SCM134
HD SDI RX (DEC) (3/3) SCM135

TX

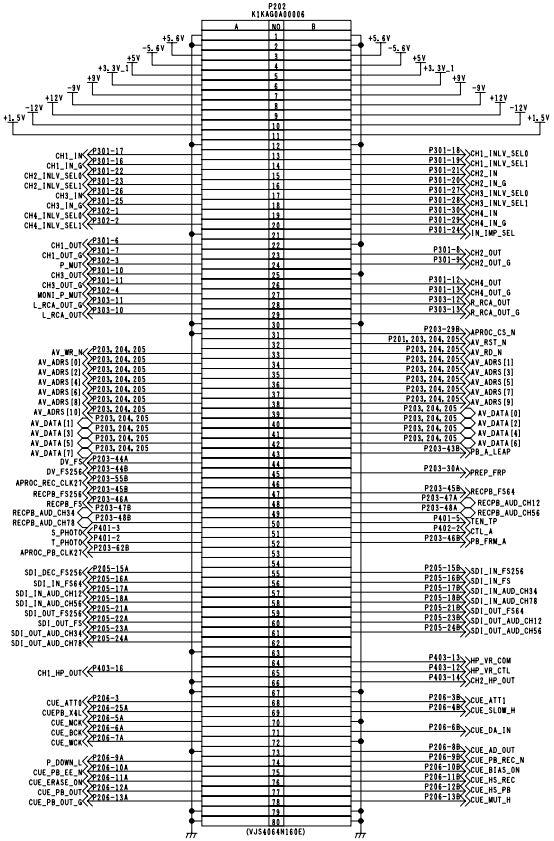
HD SDI TX (ENC/PLD) (1/2) SCM136
HD SDI TX (P/S,DRV) (2/2) SCM137



[F1 RF/EQ]



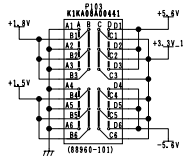
[F2 APROC]



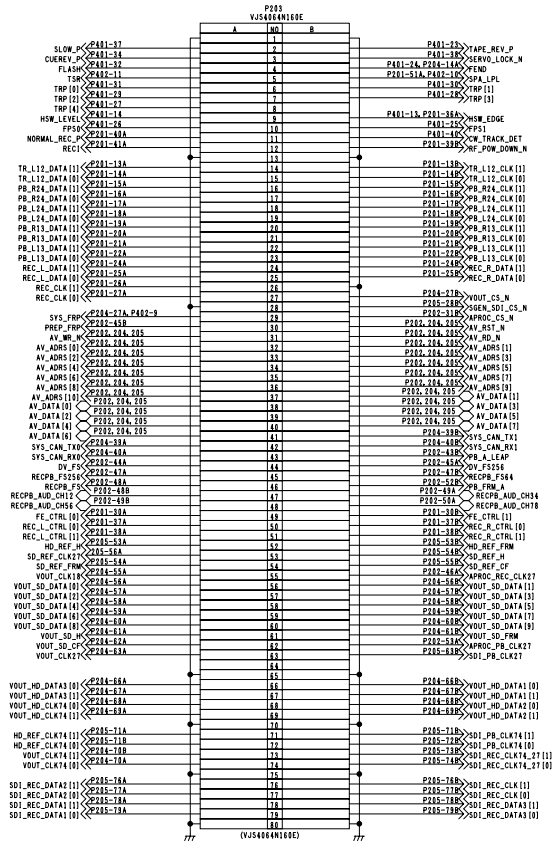
COMPONENT NAME	MOTHER	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C73B		KR 0A0012(1/3)
		SCM001

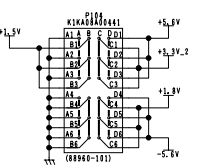
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

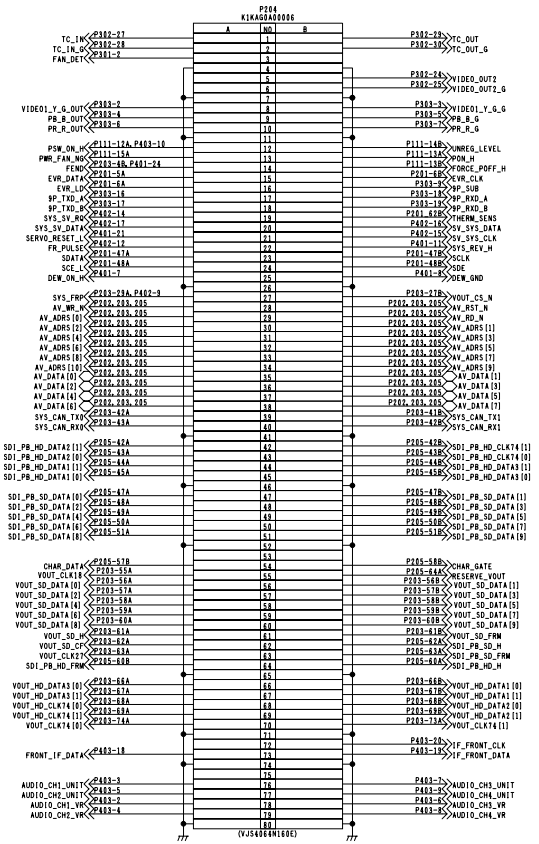


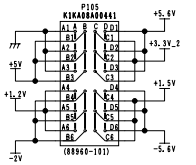
[F3 REC_PB]



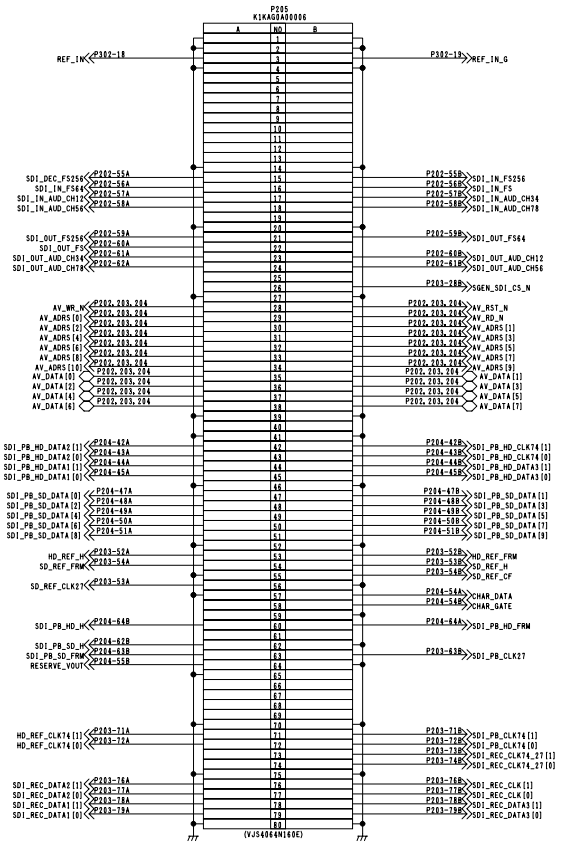


[F4 VOUT/SYS]





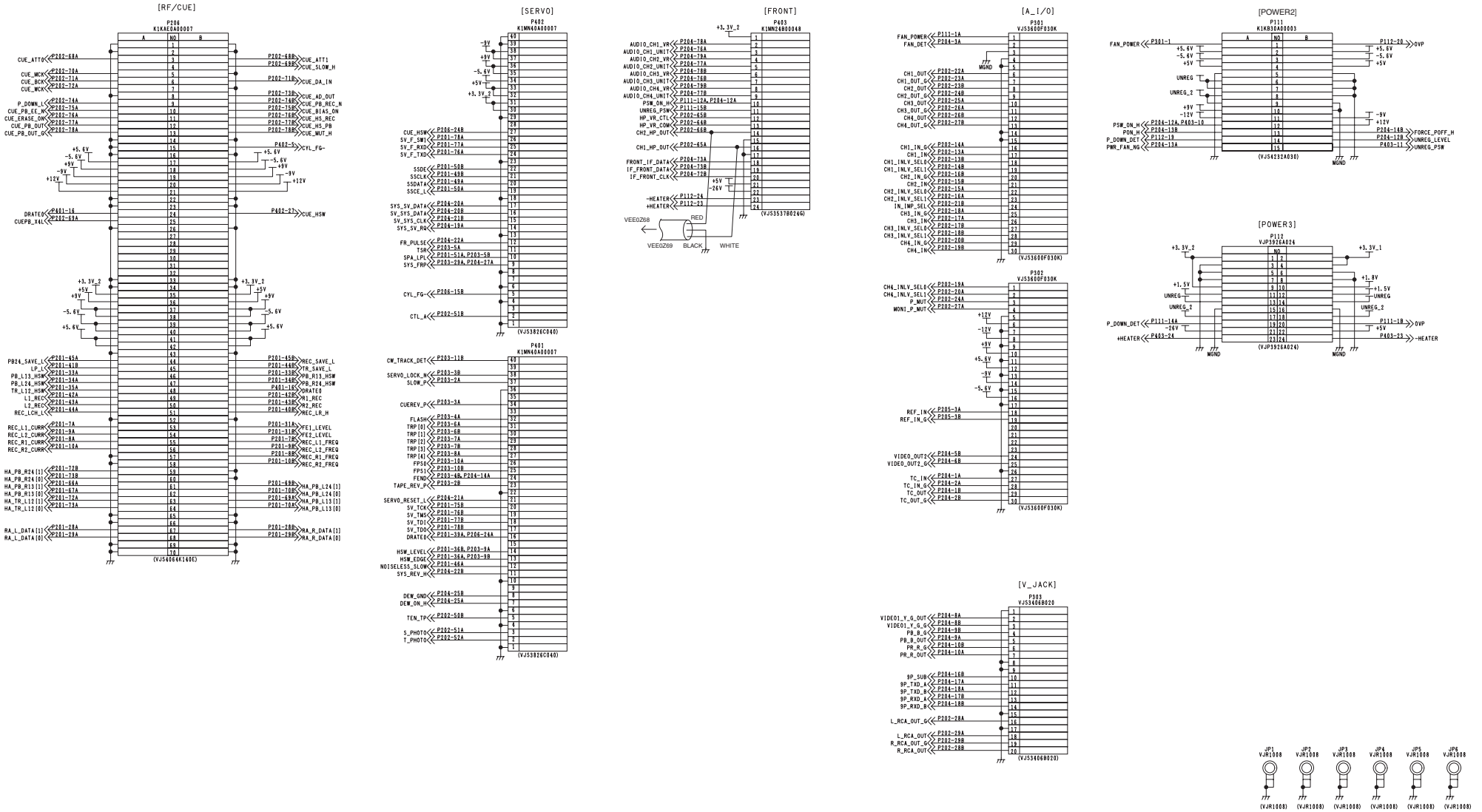
[F5 SGEN/SDI]

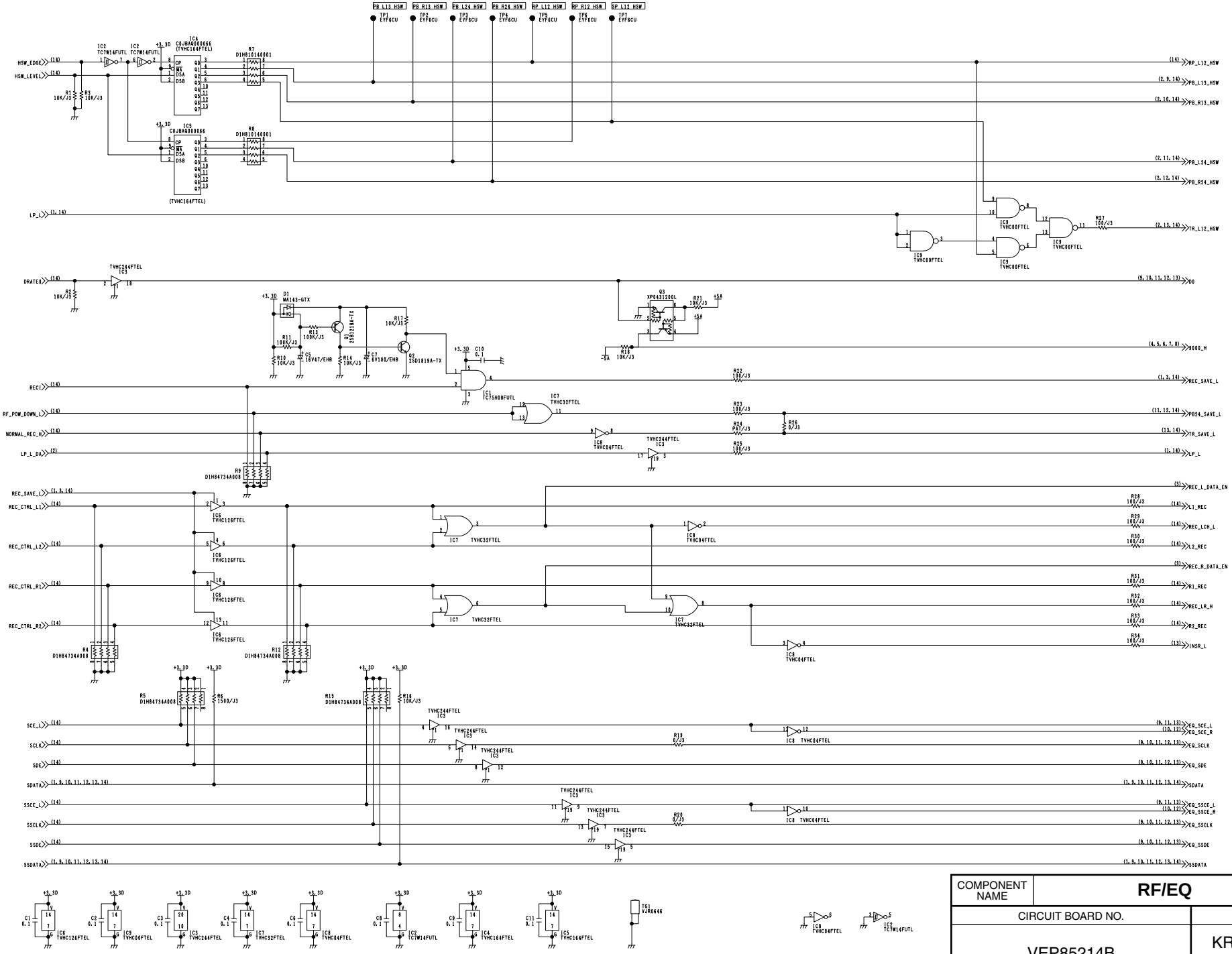


COMPONENT NAME	MOTHER	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C73B		KR 0A0012(2/3)
		SCM002

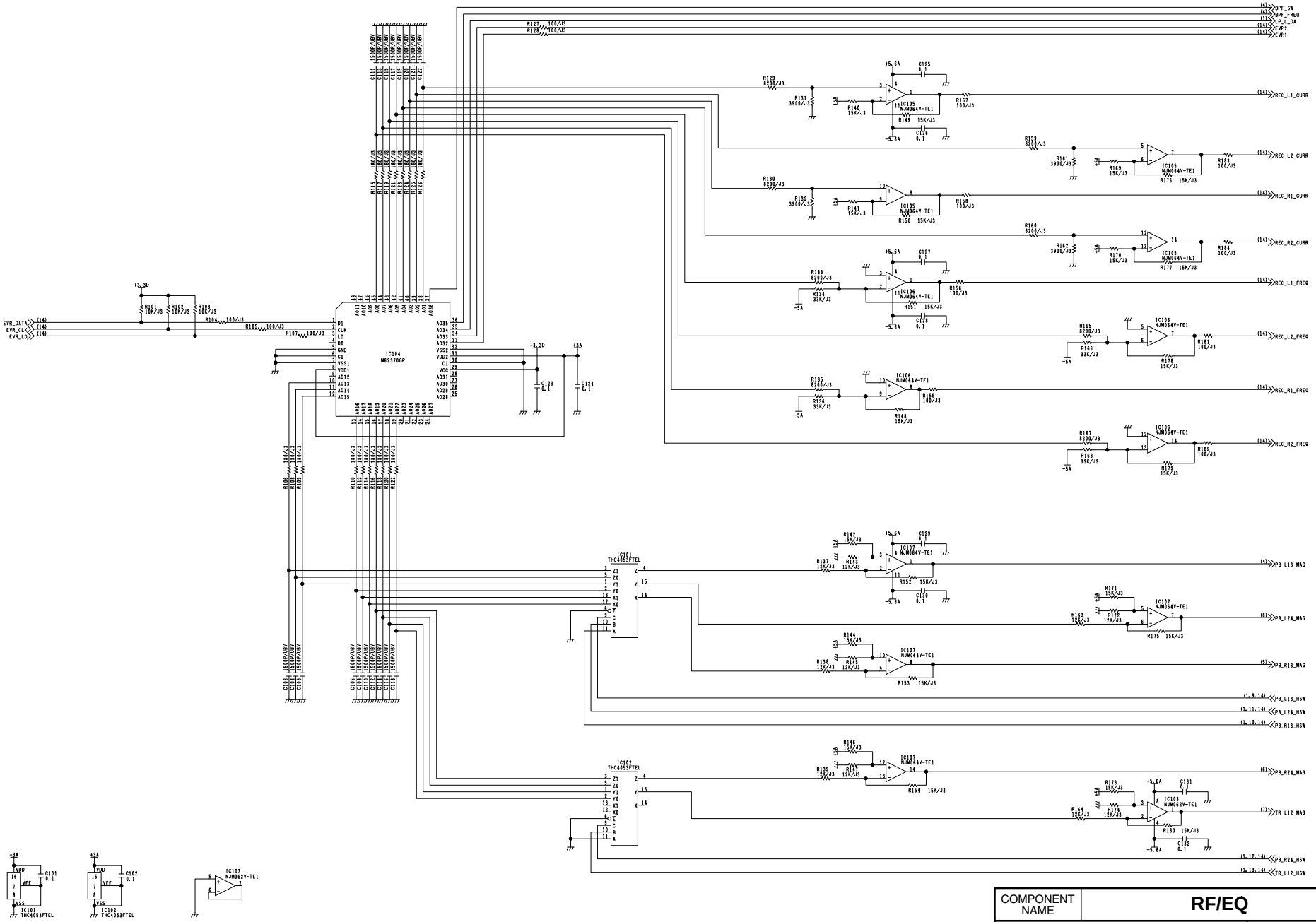
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

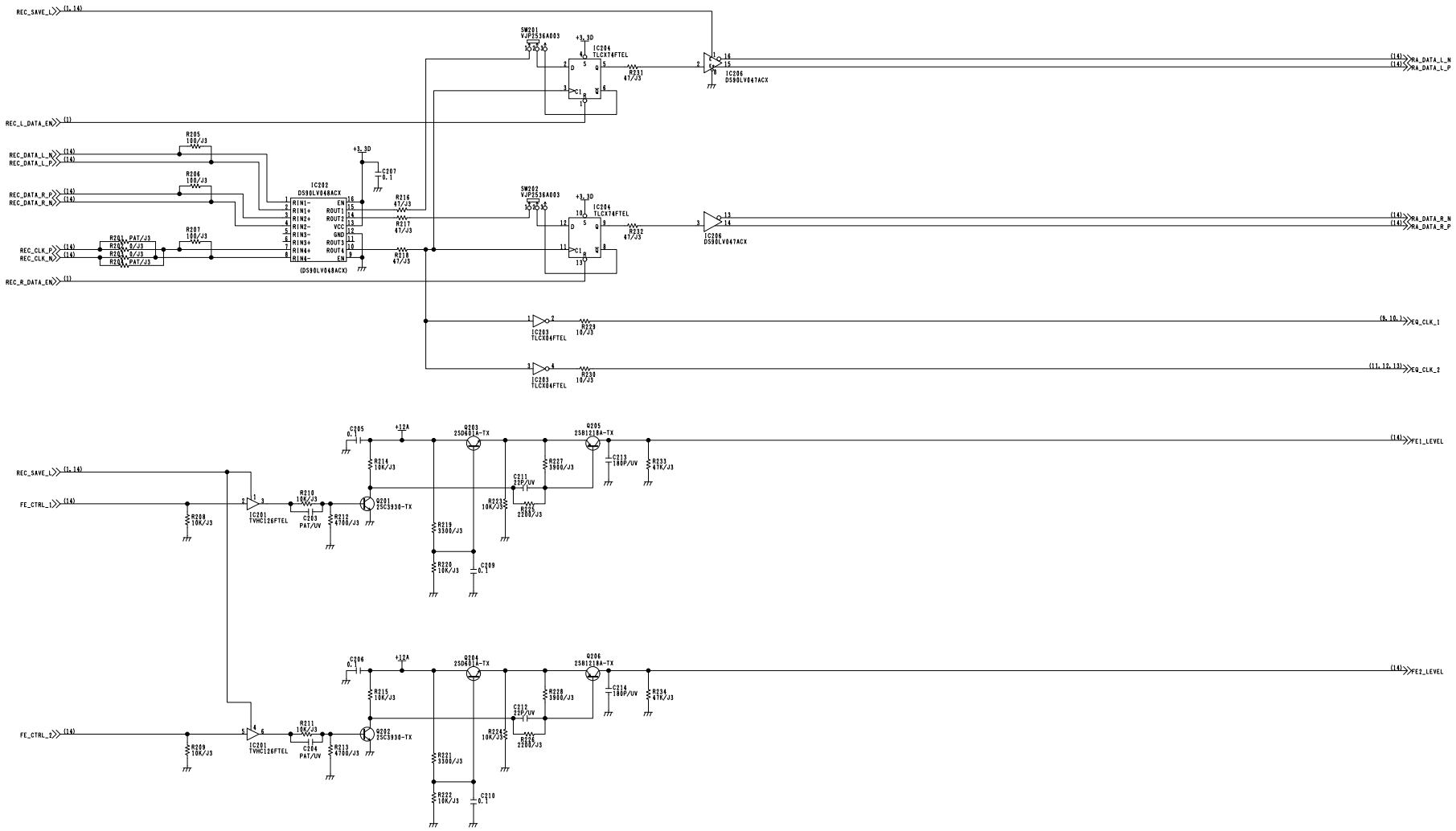

[RF/CUE]
[SERVO]
[FRONT]
[A_I/O]
[POWER2]
[POWER3]
[V_JACK]
(VJ54064K140E)
(VJ53826C040)
(VJ53826C040)
(VJ53537B024G)
(VJ53600F030K)
(VJ53600F030K)
(VJ54232A030)
(VJ3926A024)
(VJ53406B020)
(VJR1008)
COMPONENT NAME
MOTHER
03/03
CIRCUIT BOARD NO.
VEP80C73B
DRAWING NO.
KR 0A0012(3/3)
SCM003



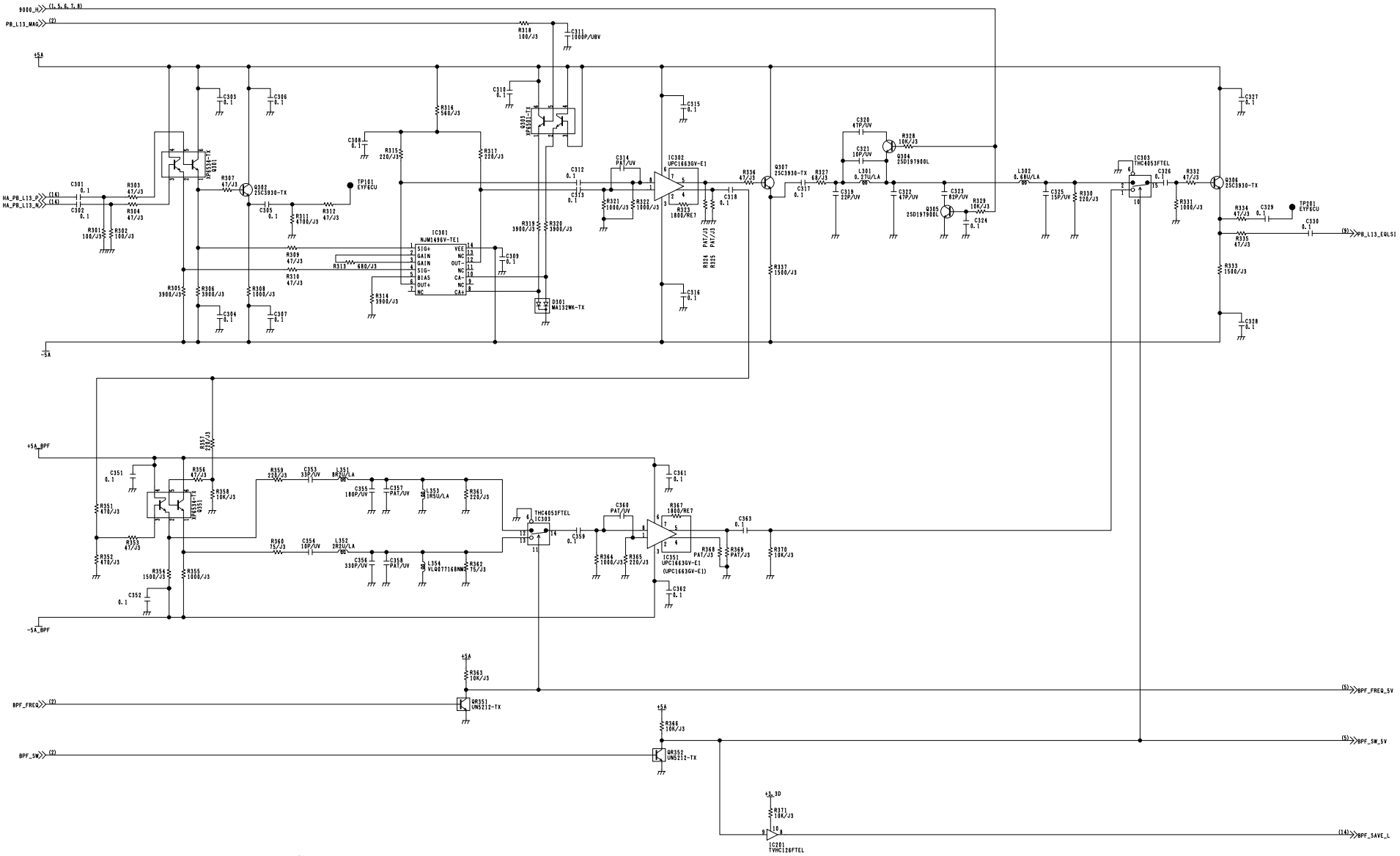
COMPONENT NAME	**RF/EQ**	01/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(1/14)
		SCM004



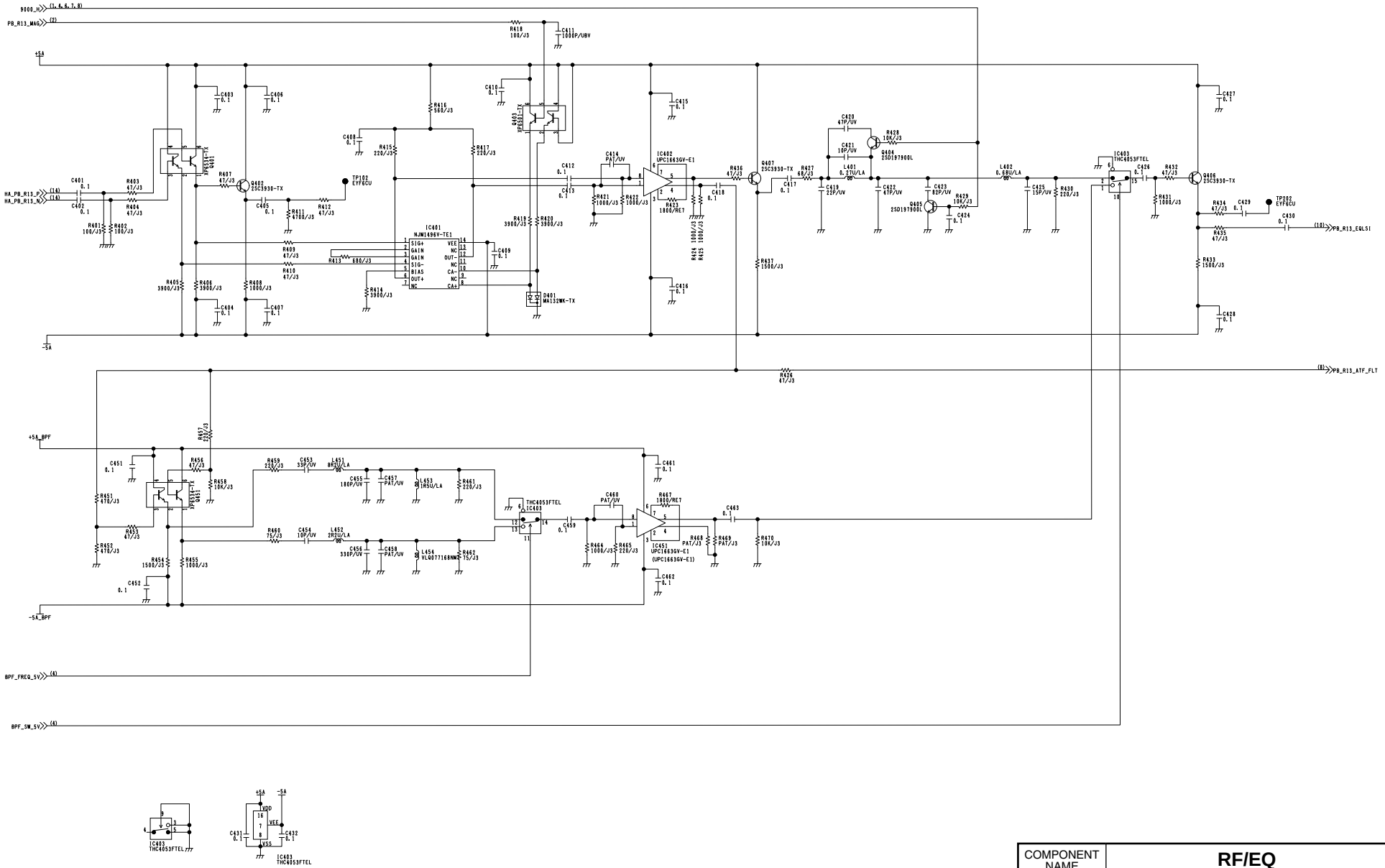
COMPONENT NAME	**RF/EQ**	02/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(2/14)
		SCM005



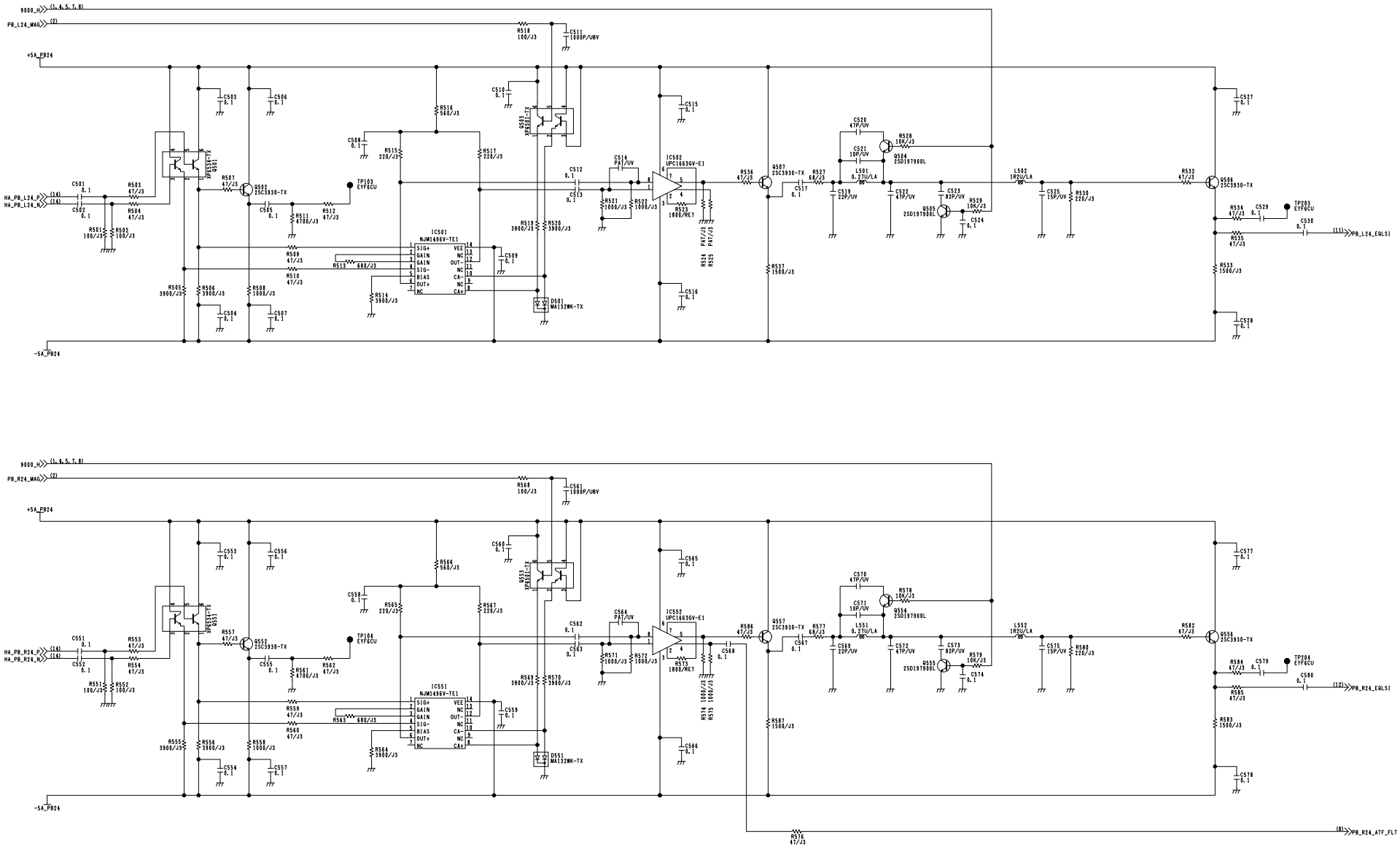
COMPONENT NAME	RF/EQ	03/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(3/14)
		SCM006



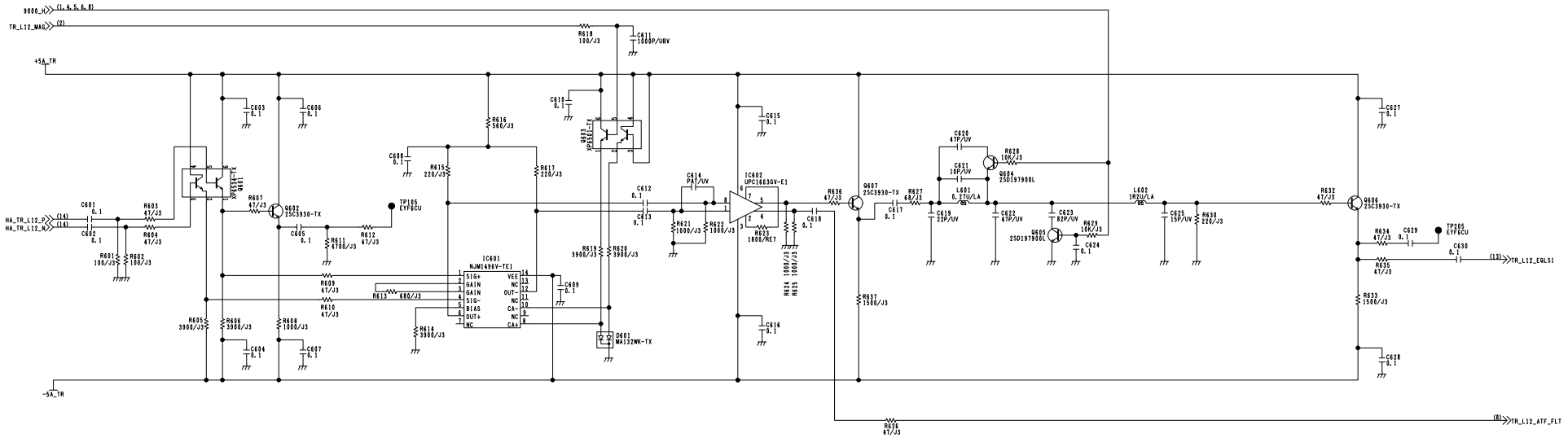
COMPONENT NAME	RF/EQ	04/14
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85214B	KR 5A0014(4/14)	
	SCM007	



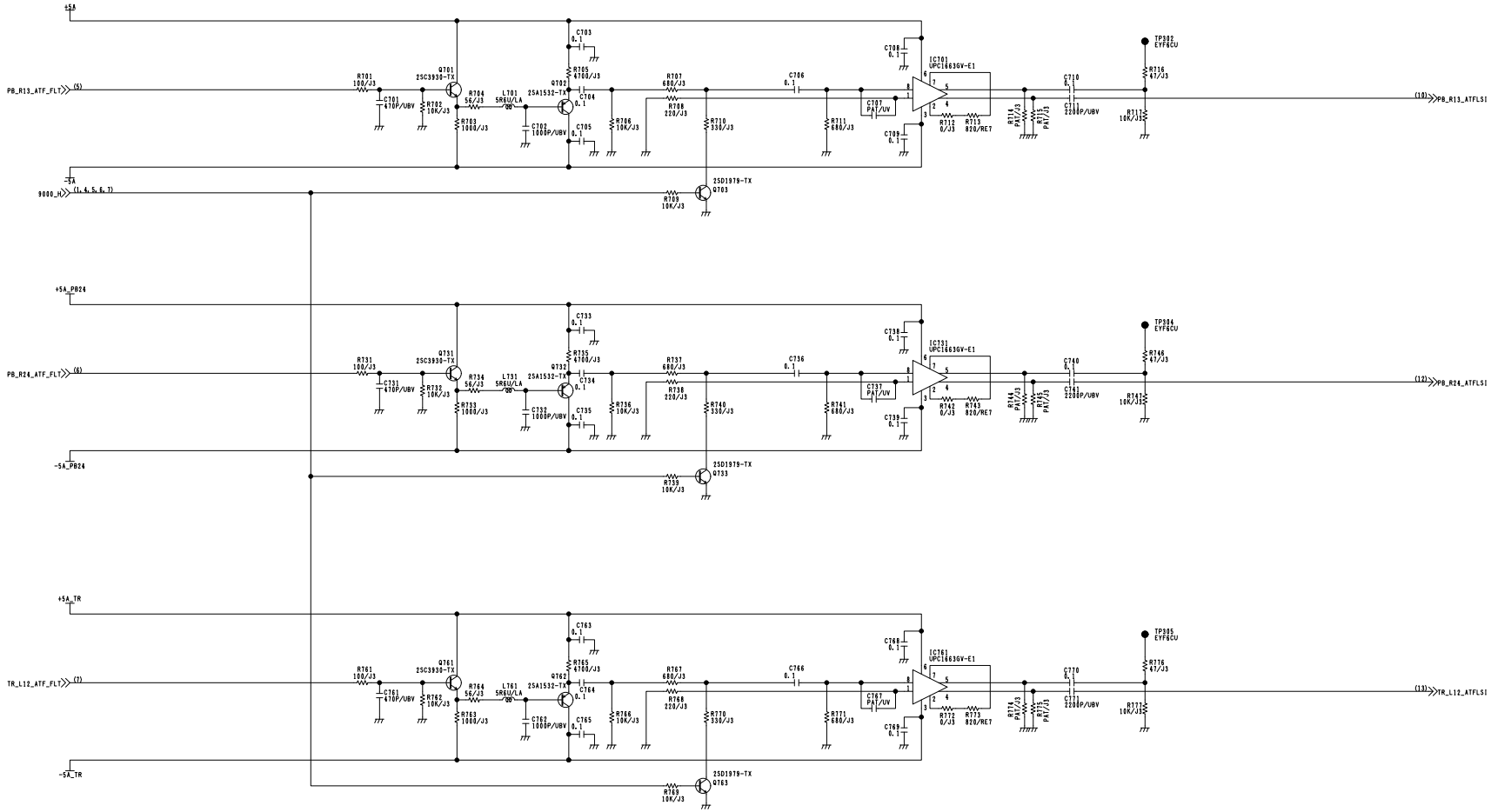
COMPONENT NAME	RF/EQ	05/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(5/14)
		SCM008



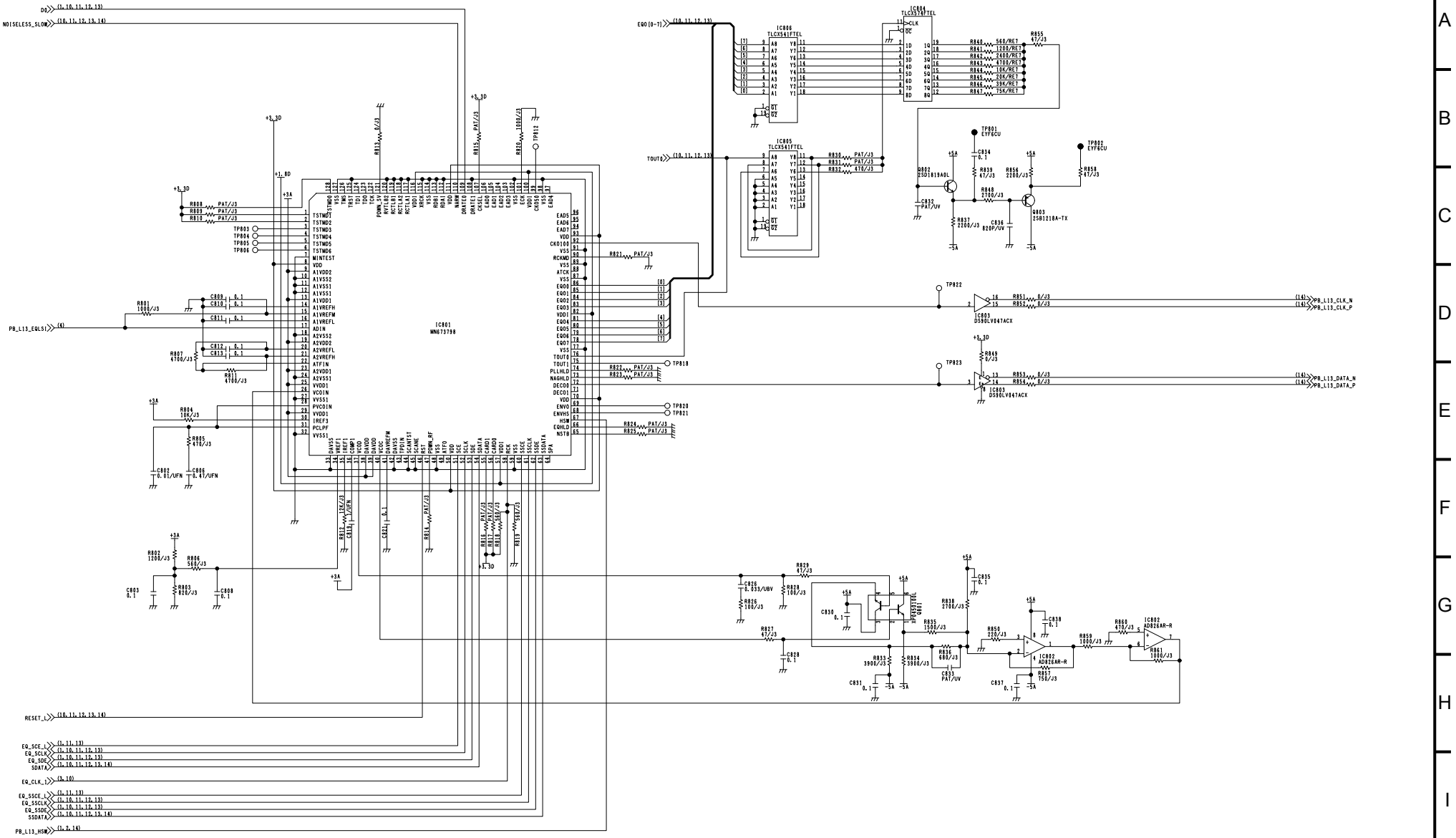
COMPONENT NAME	RF/EQ	06/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(6/14)
		SCM009



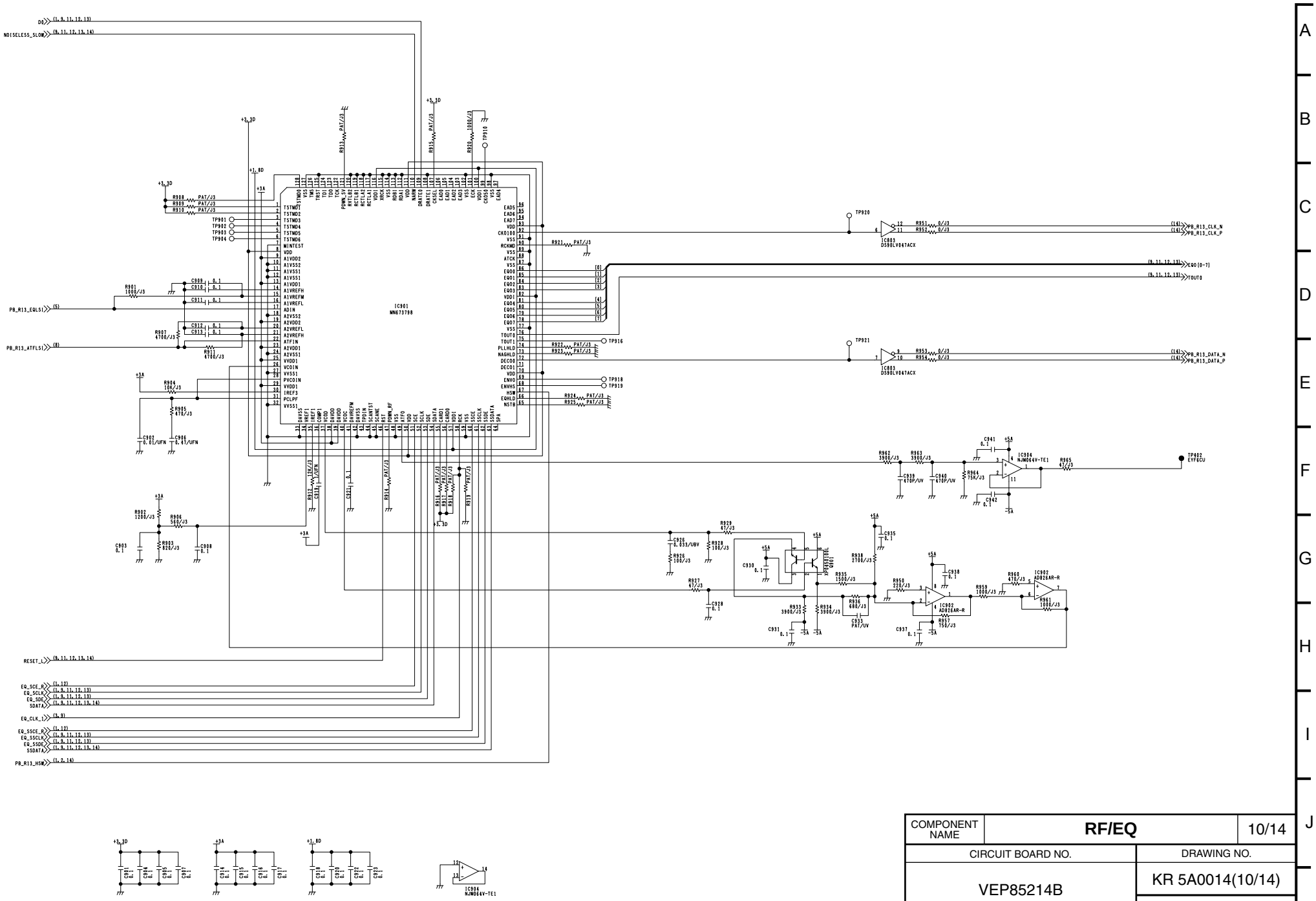
COMPONENT NAME	RF/EQ	07/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(7/14)
		SCM010



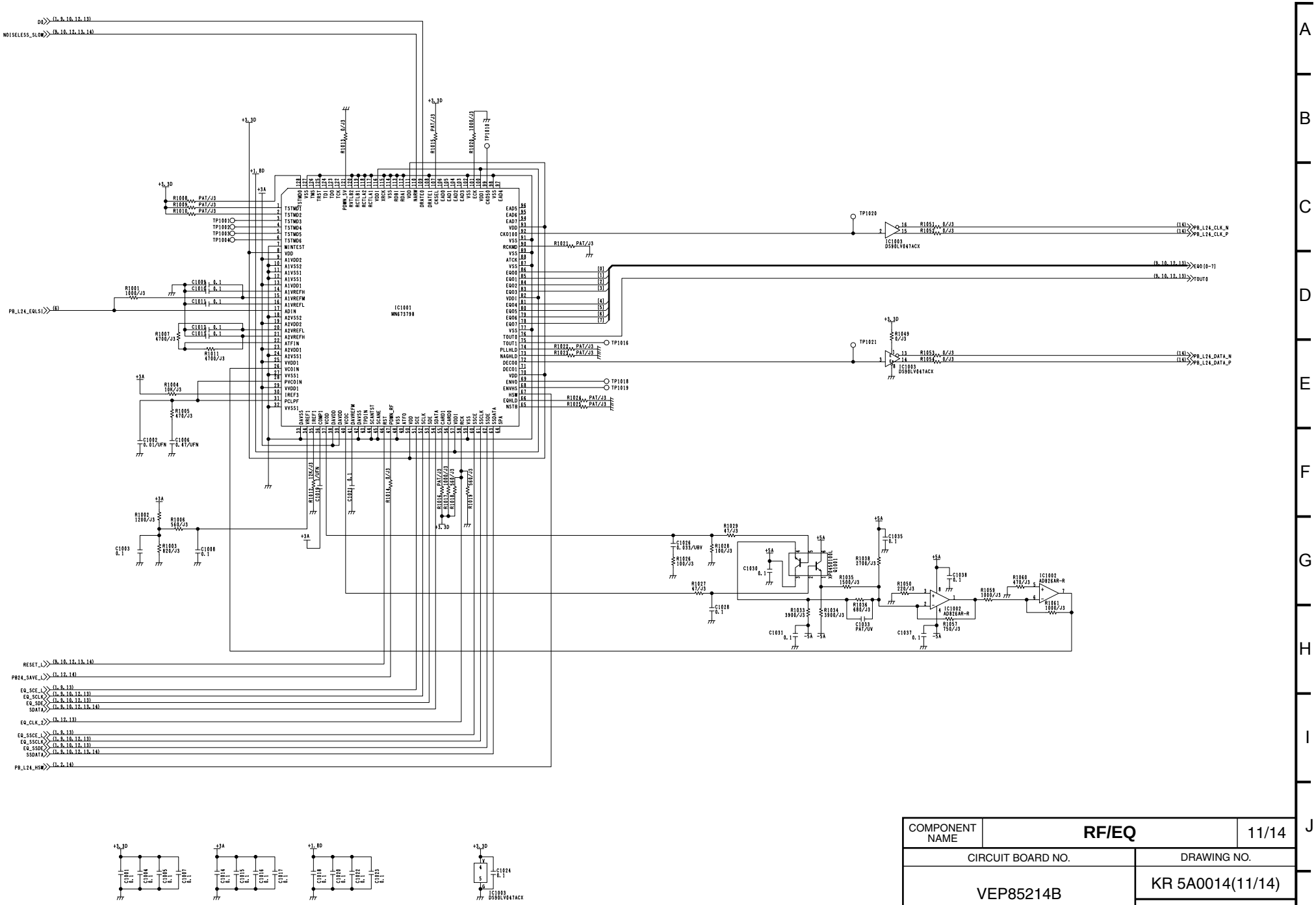
COMPONENT NAME	RF/EQ	08/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(8/14)
		SCM011



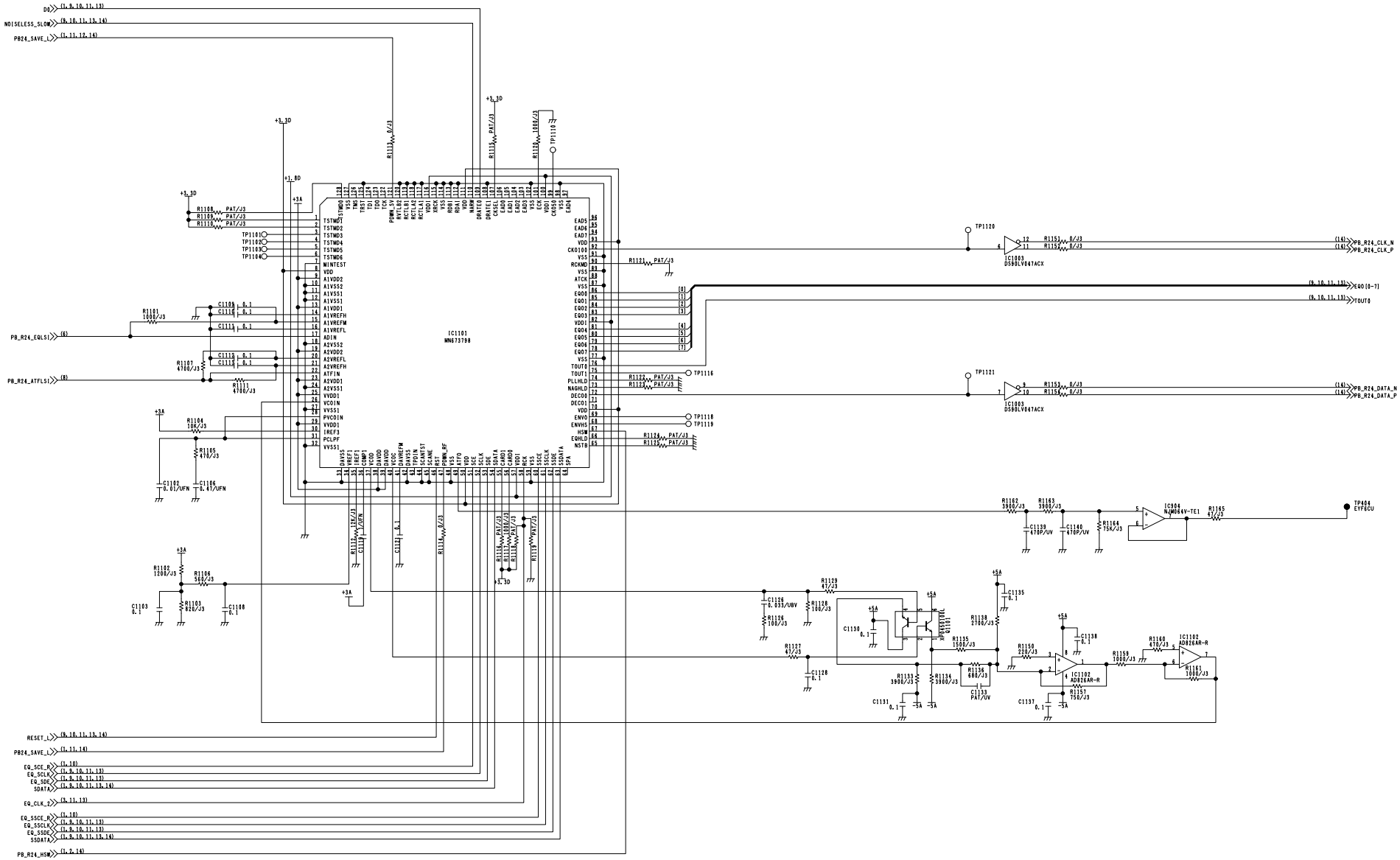
COMPONENT NAME	**RF/EQ**	09/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(9/14)
		SCM012



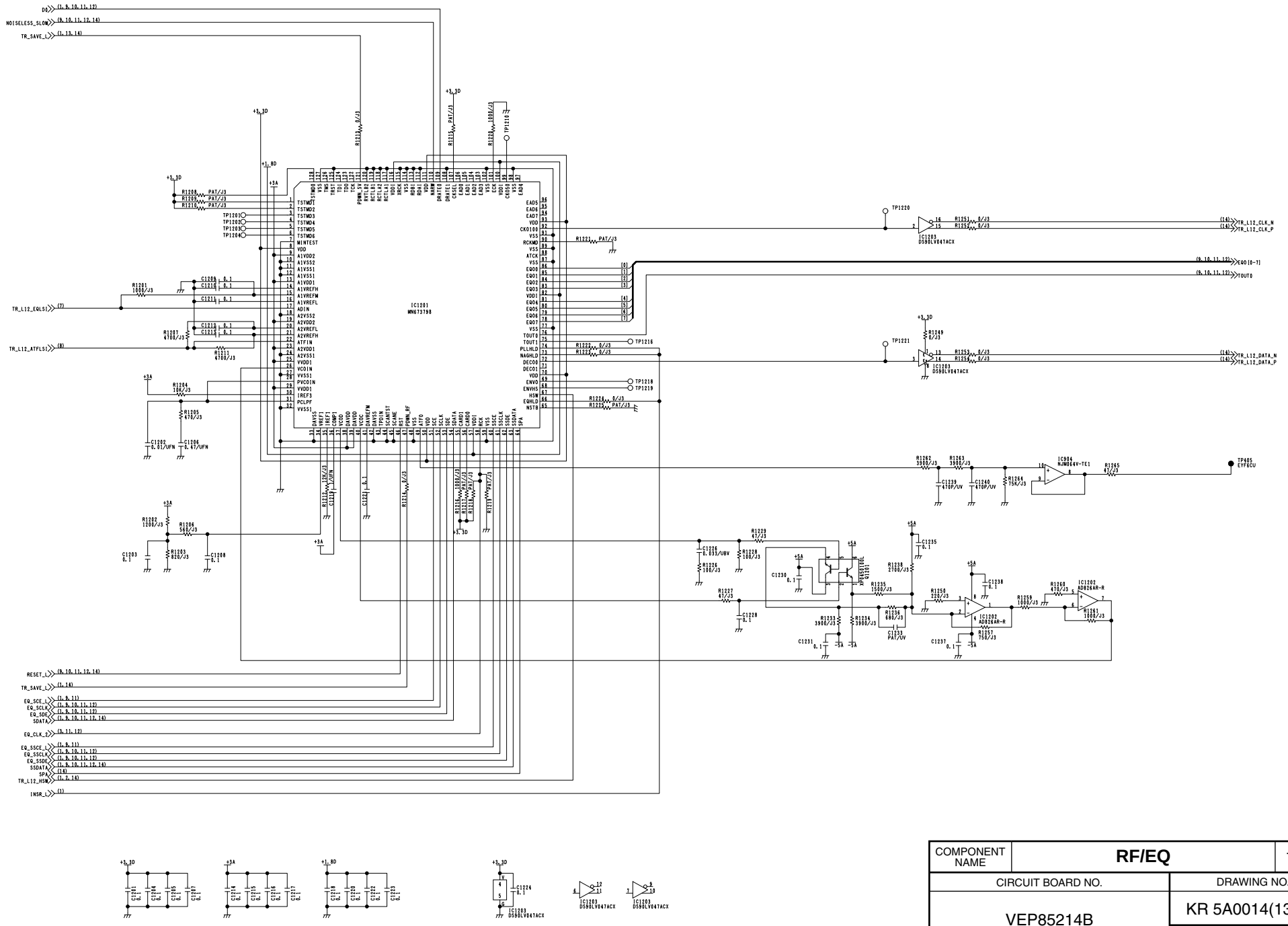
COMPONENT NAME	RF/EQ	10/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(10/14)
		SCM013



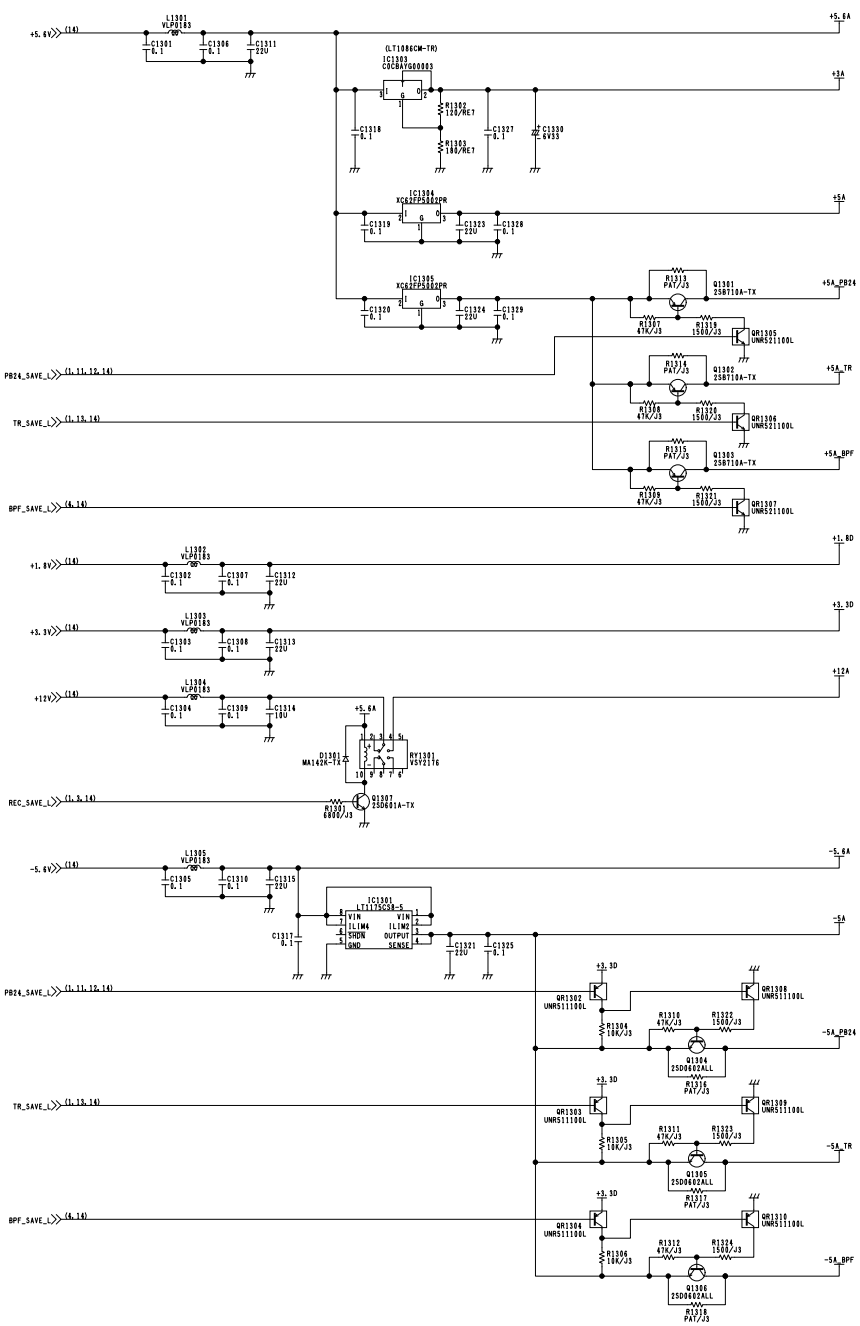
COMPONENT NAME	**RF/EQ**	11/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(11/14)
		SCM014

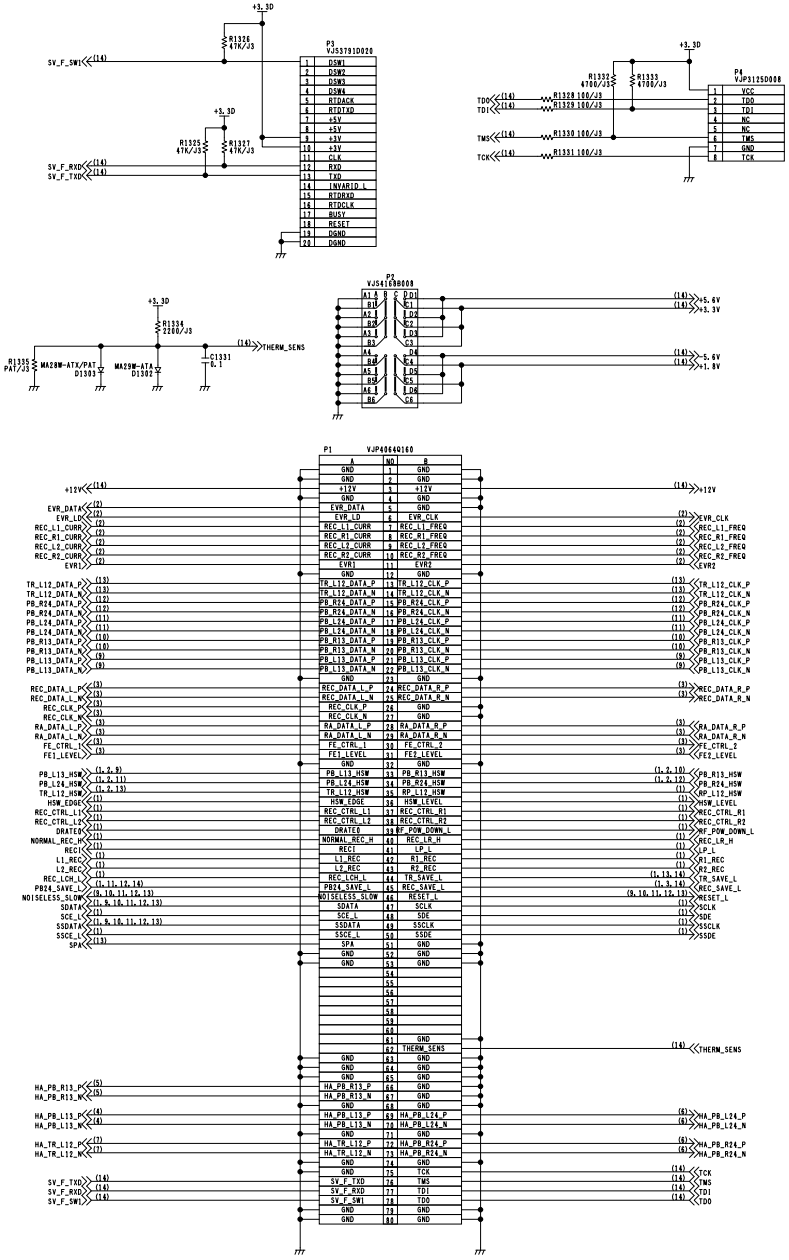


COMPONENT NAME	RF/EQ	12/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(12/14)
		SCM015



COMPONENT NAME	RF/EQ	13/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(13/14)
		SCM016

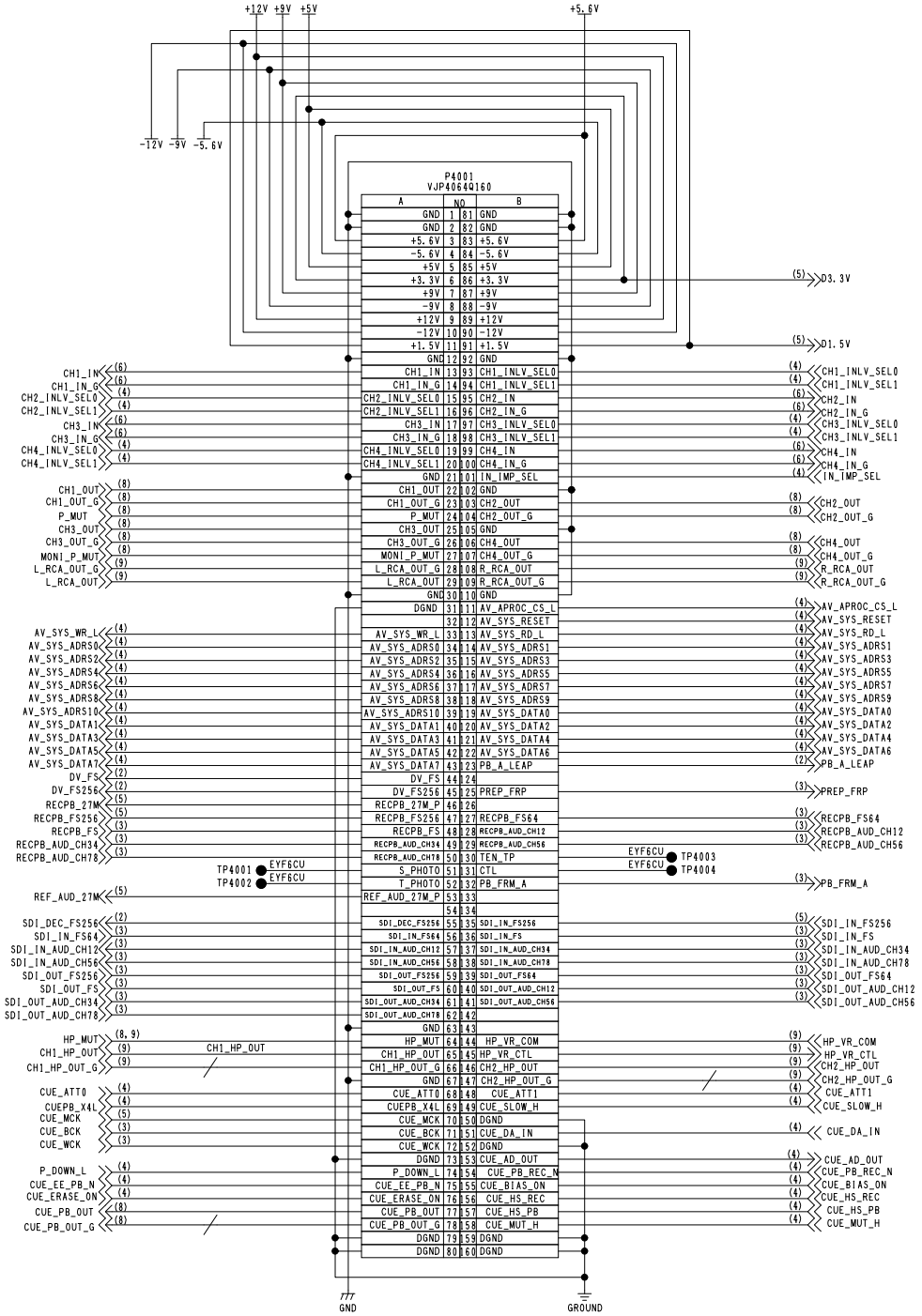




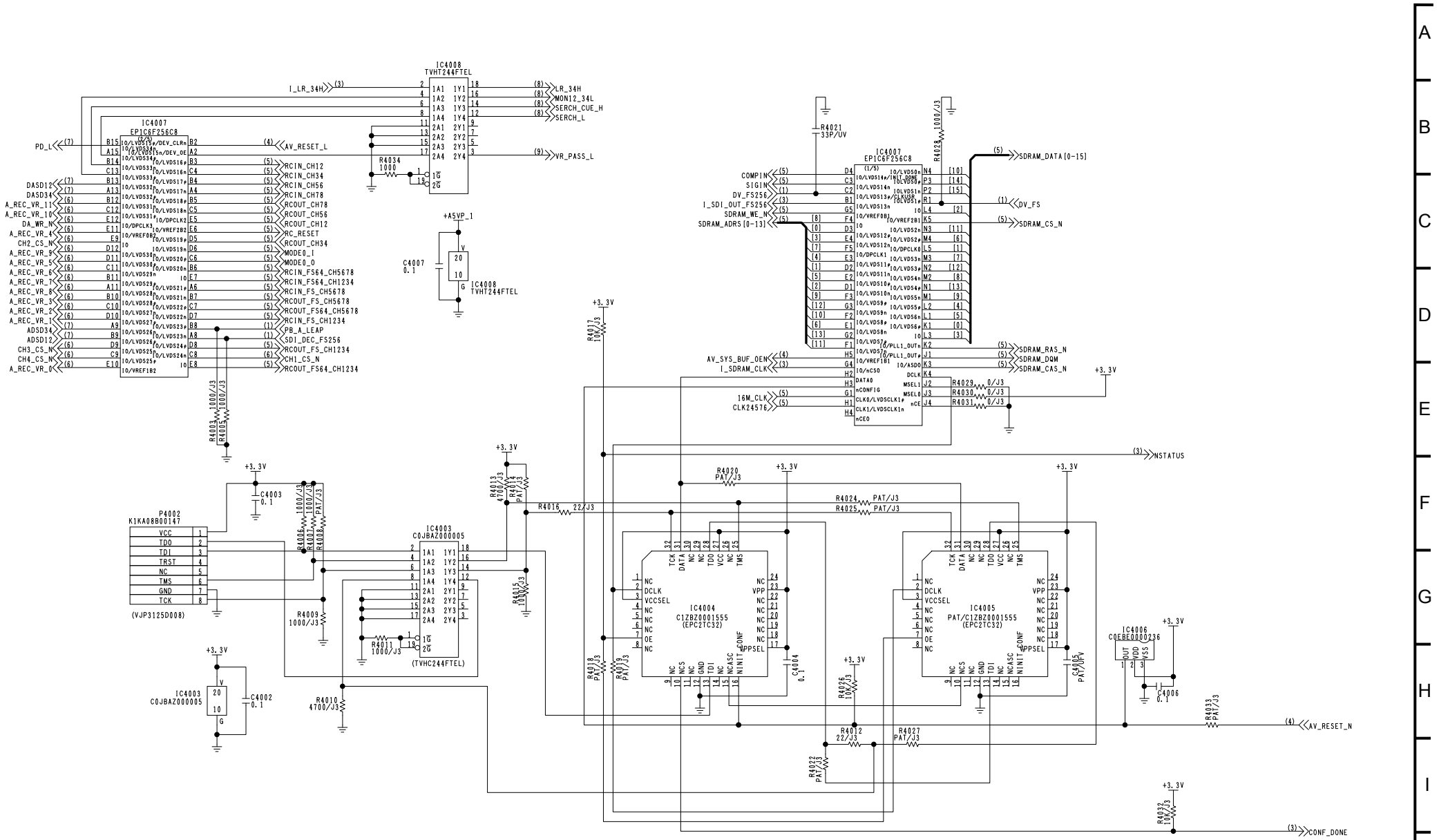
COMPONENT NAME	**RF/EQ**	14/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(14/14)
		SCM017

A B C D E F G H I J

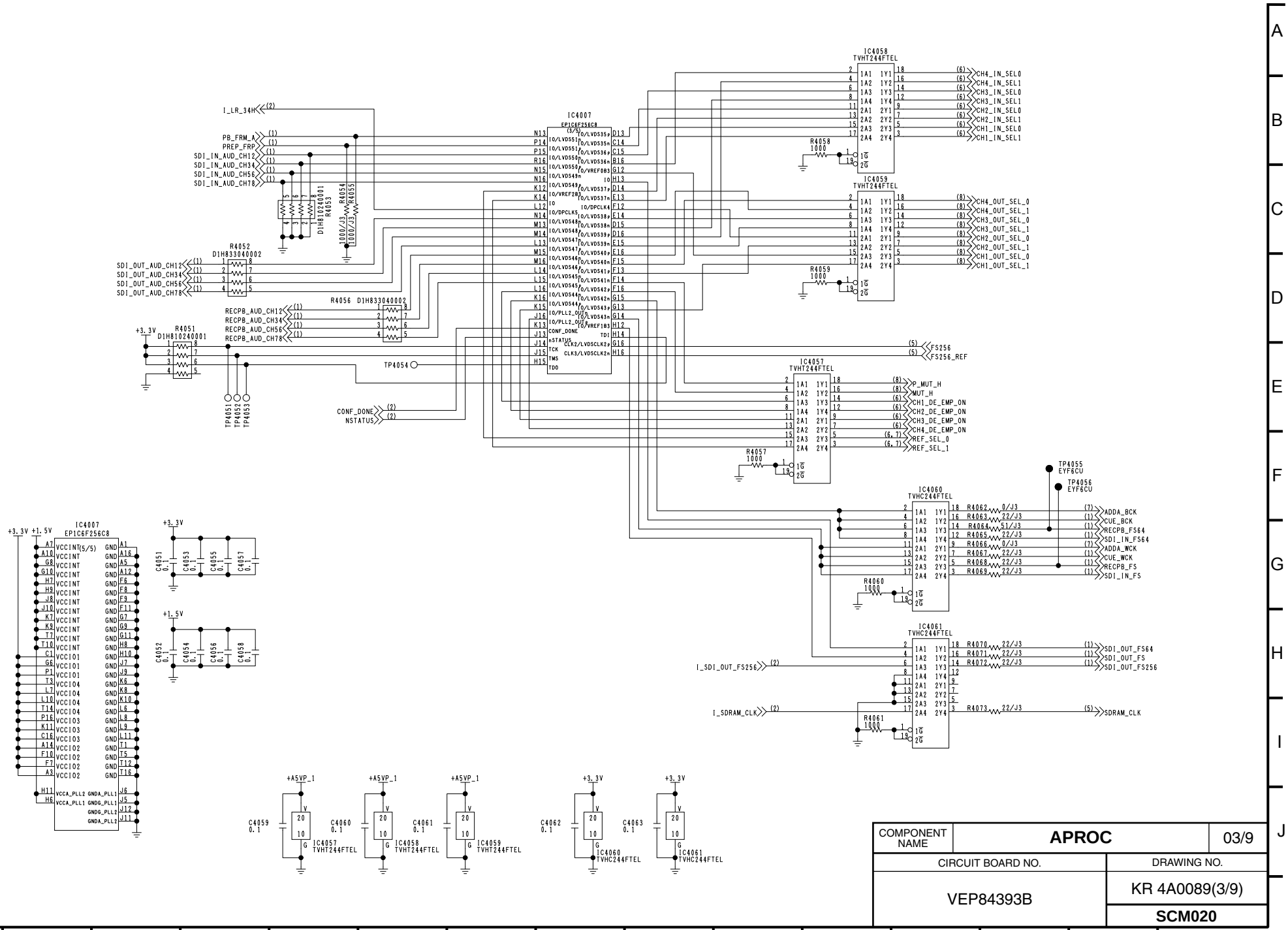
1 2 3 4 5 6 7 8 9 10 11 12 13 14



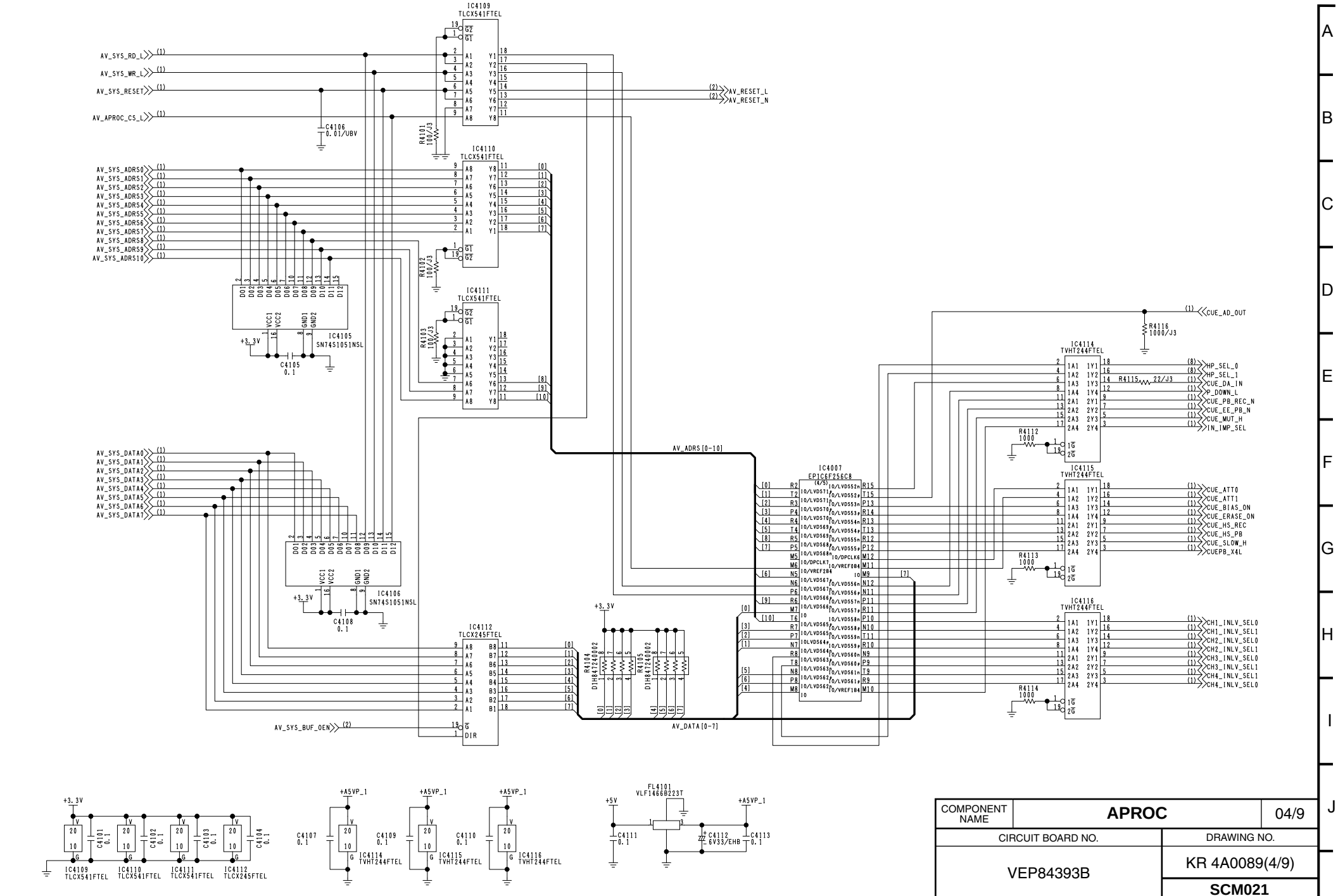
COMPONENT NAME	**APROC**	01/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(1/9)
		SCM018



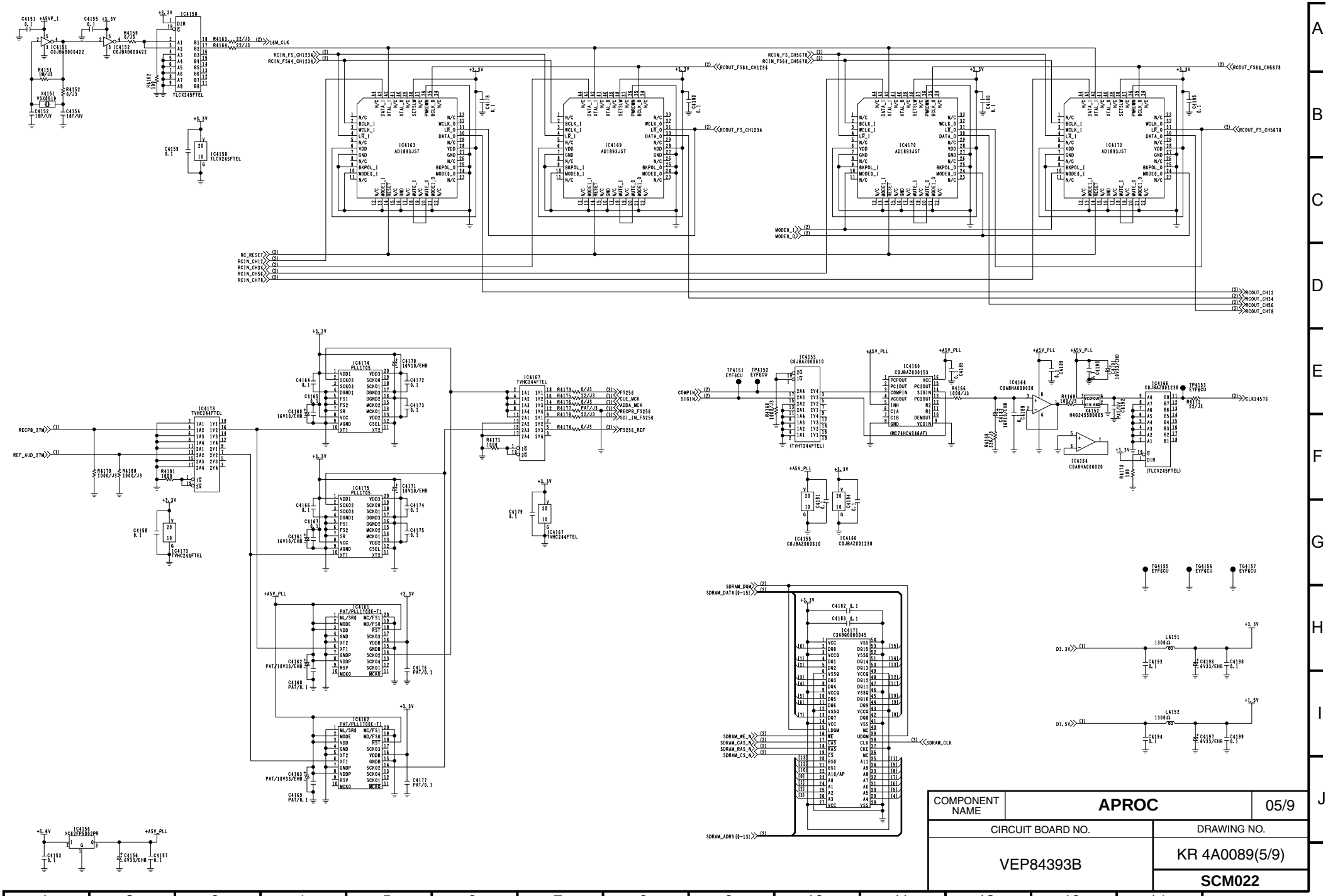
COMPONENT NAME	**APROC**	02/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(2/9)
		SCM019



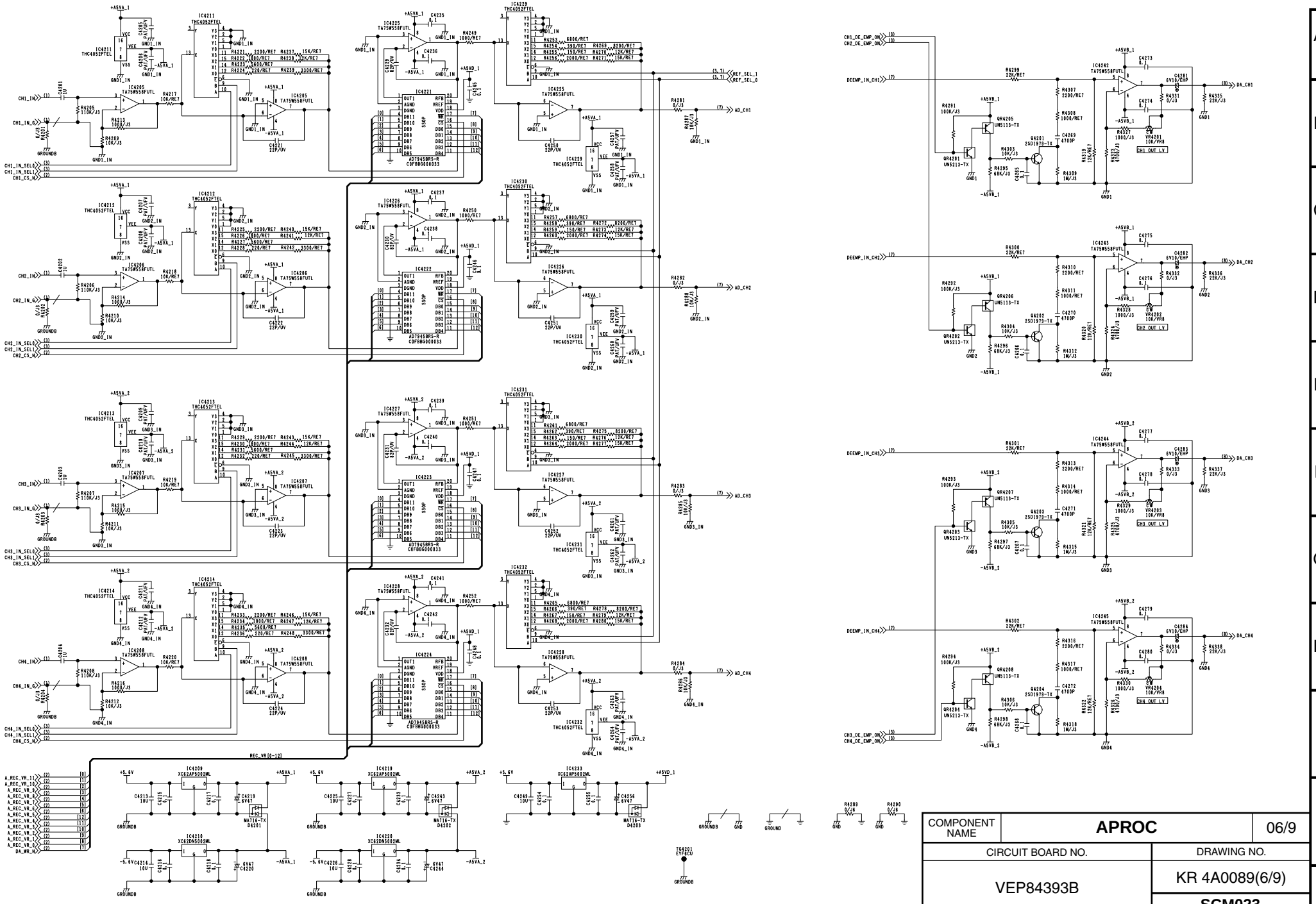
COMPONENT NAME	**APROC**	03/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(3/9)
		SCM020



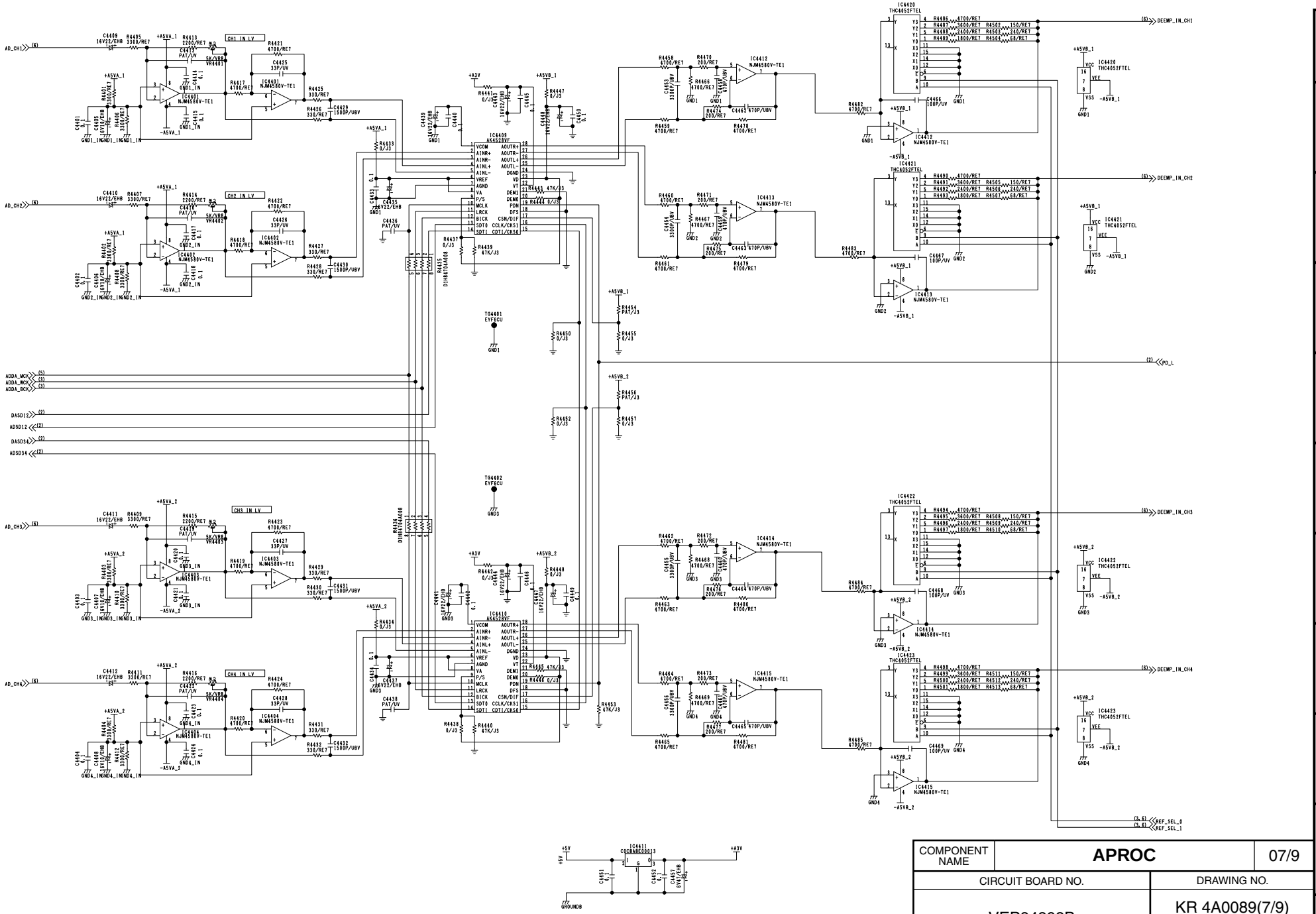
COMPONENT NAME	**APROC**	04/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(4/9)
		SCM021



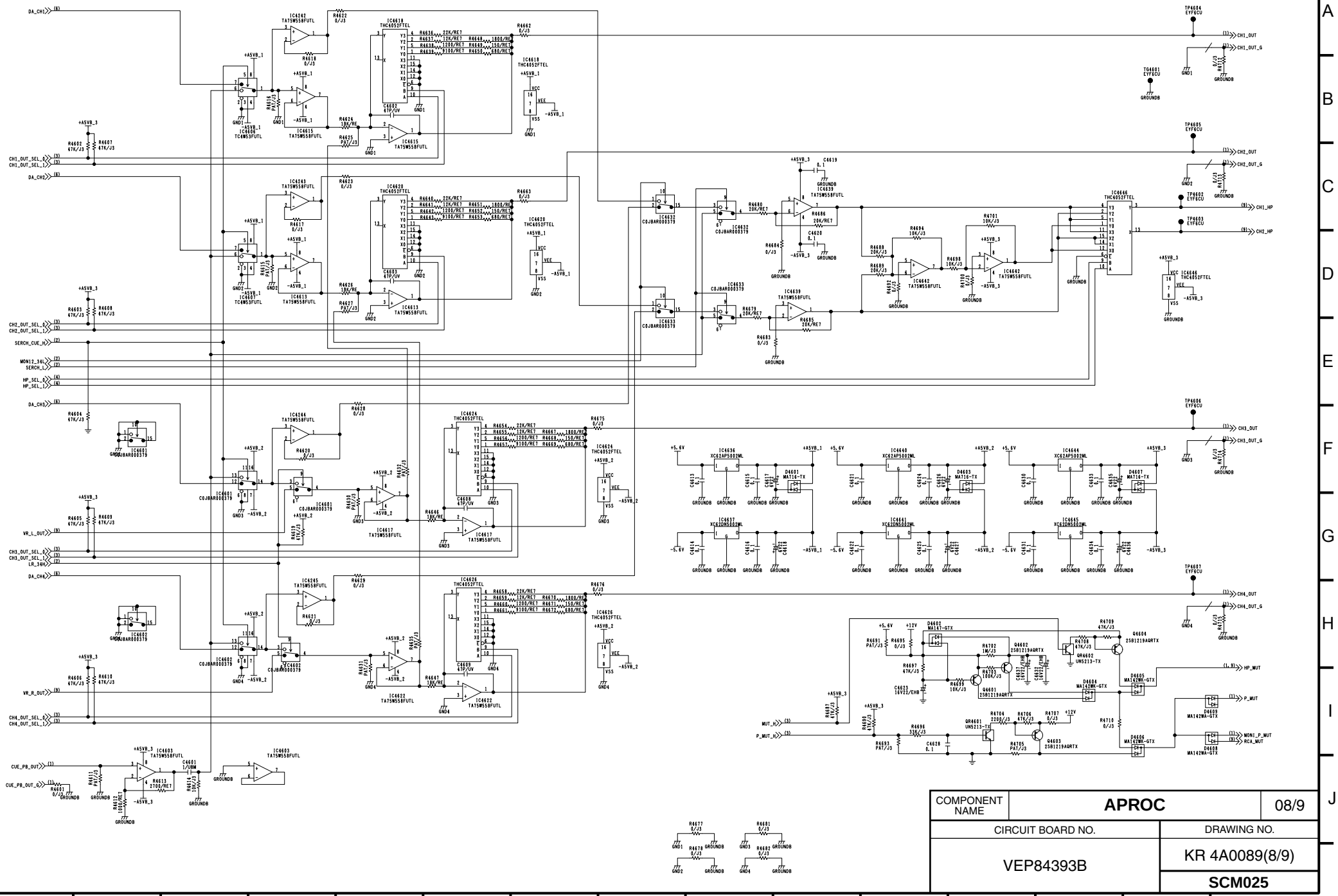
COMPONENT NAME	**APROC**	05/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(5/9)
		SCM022



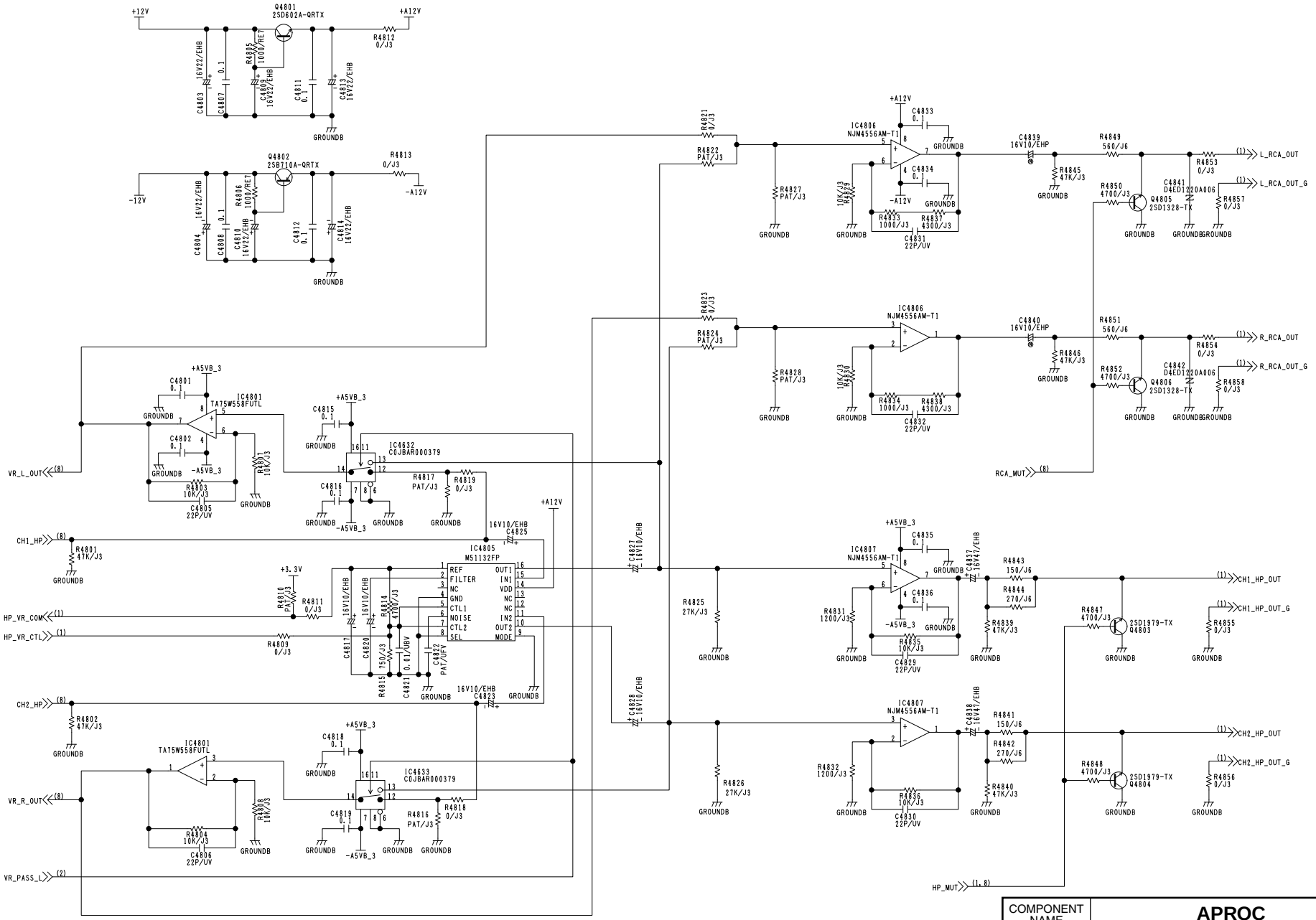
COMPONENT NAME	**APROC**	06/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(6/9)
		SCM023



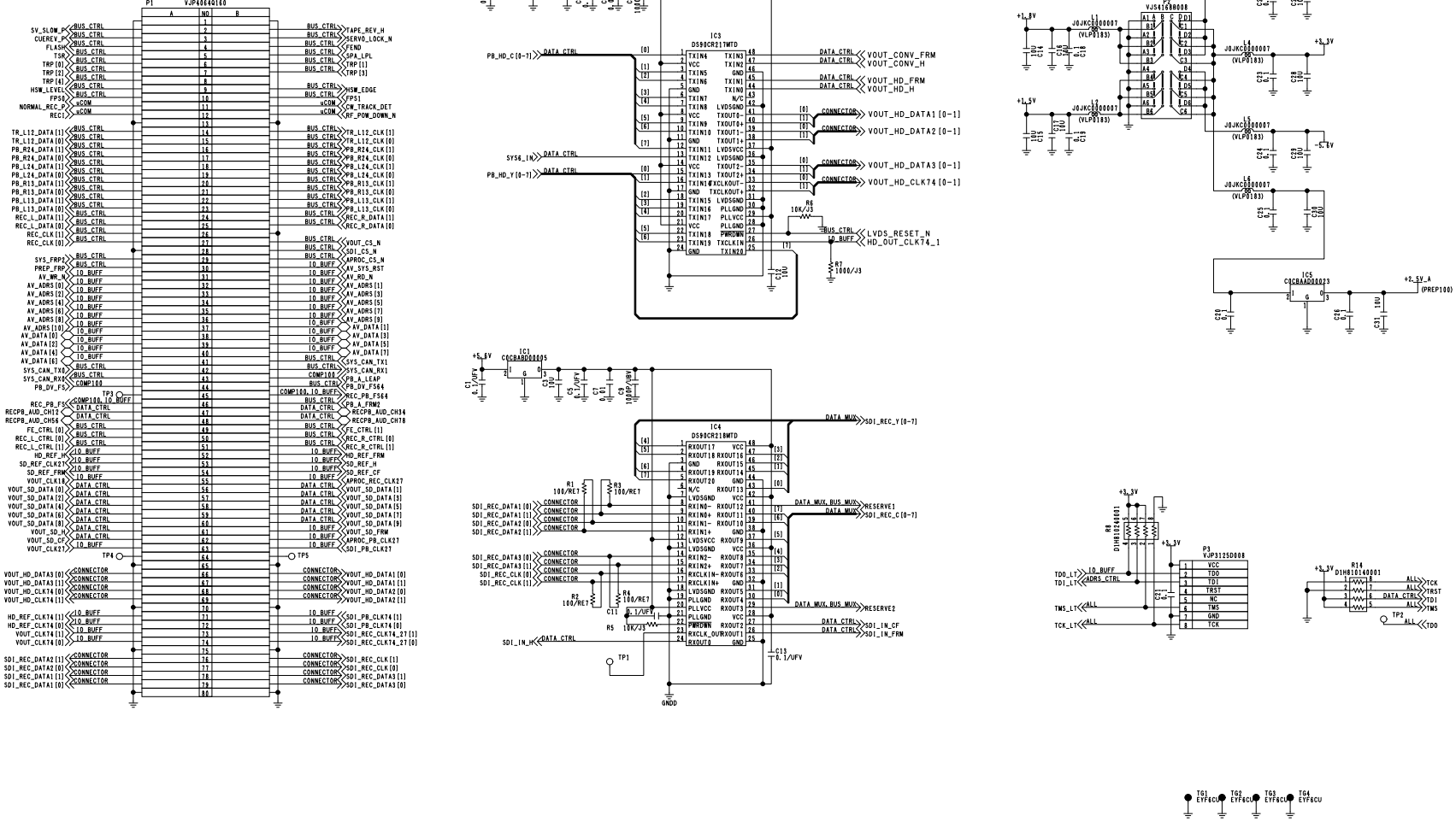
COMPONENT NAME	APROC	07/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(7/9)
		SCM024



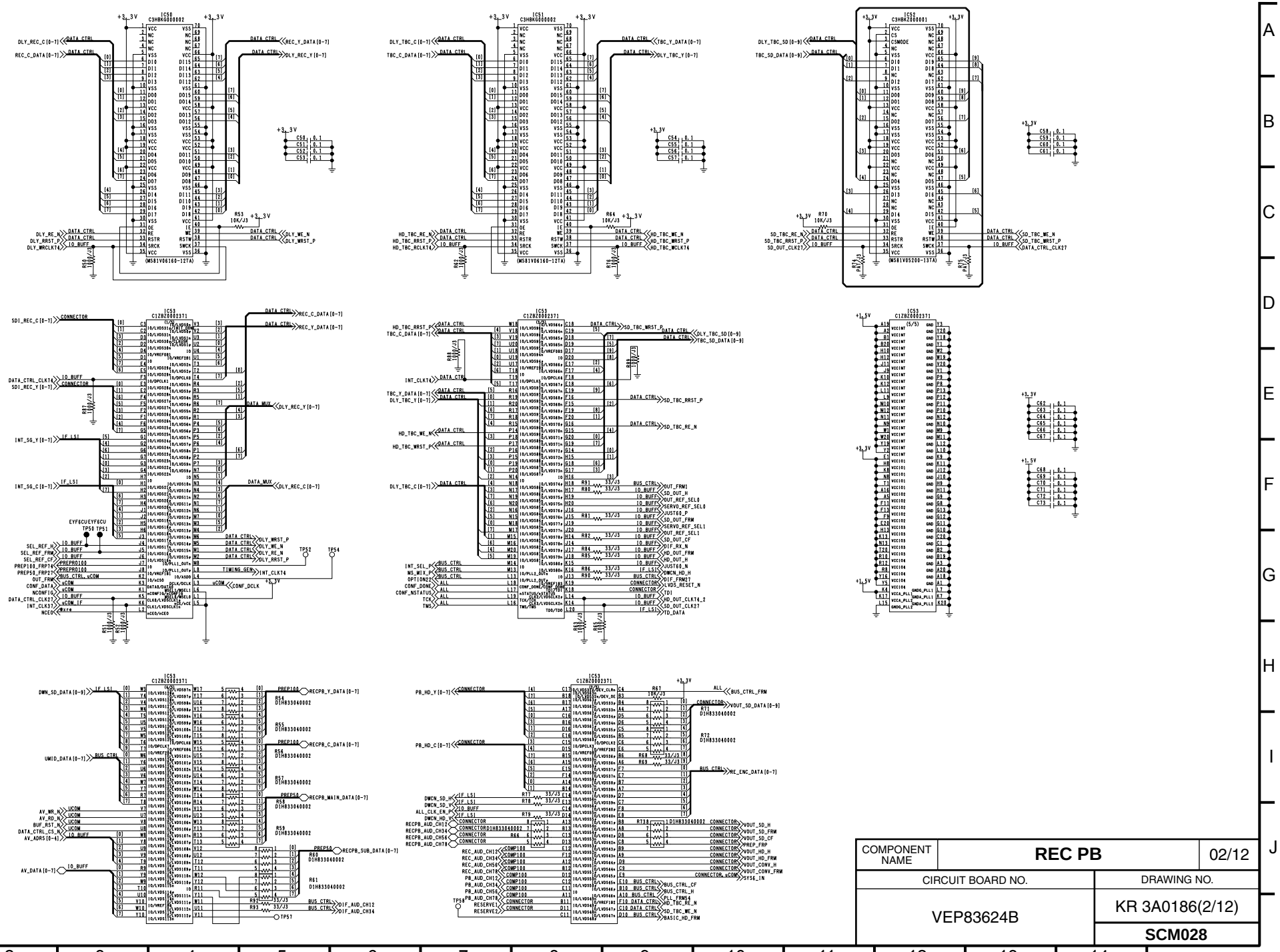
COMPONENT NAME	**APROC**	08/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(8/9)
		SCM025



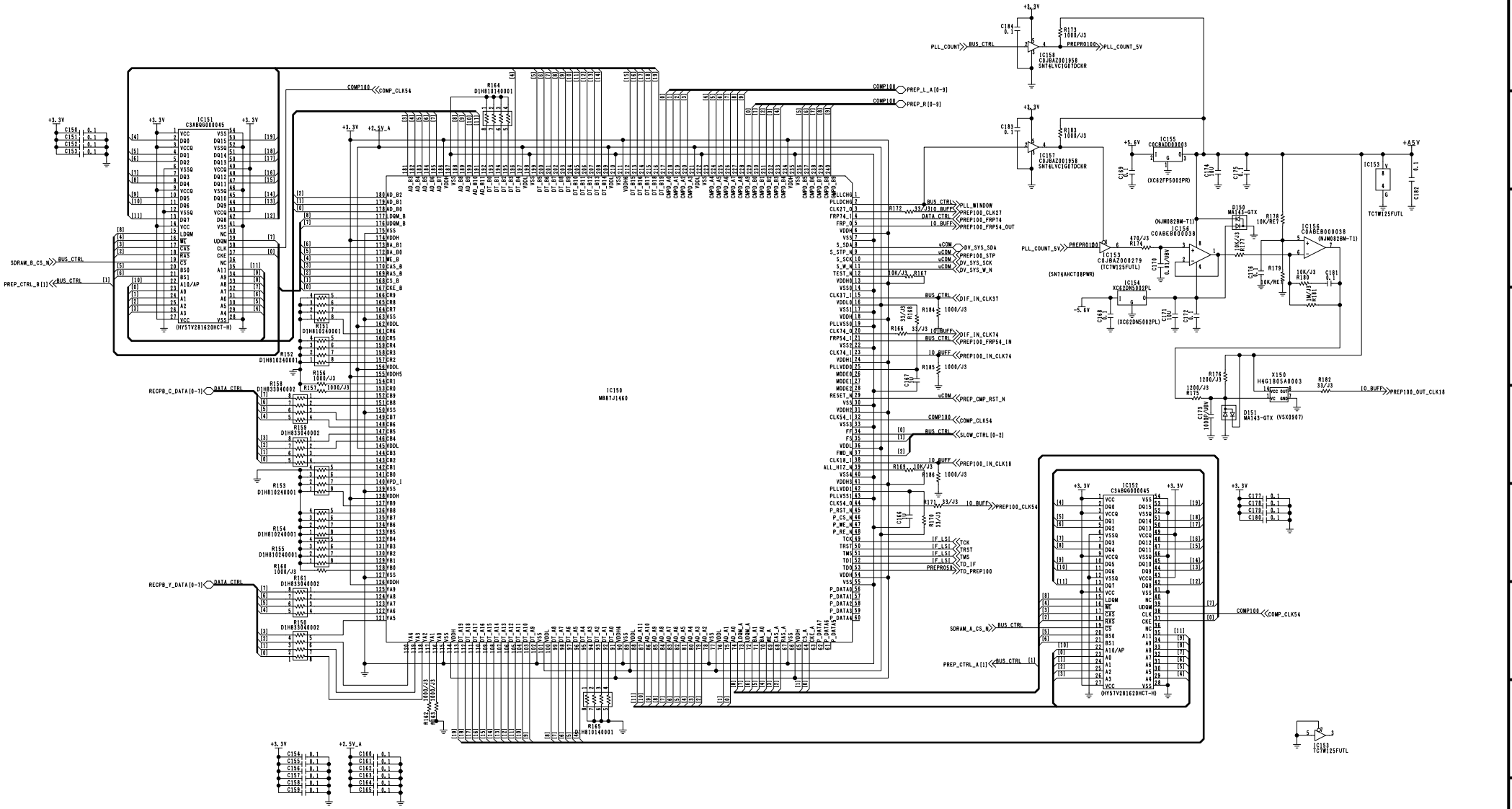
COMPONENT NAME	APROC	09/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(9/9)
		SCM026



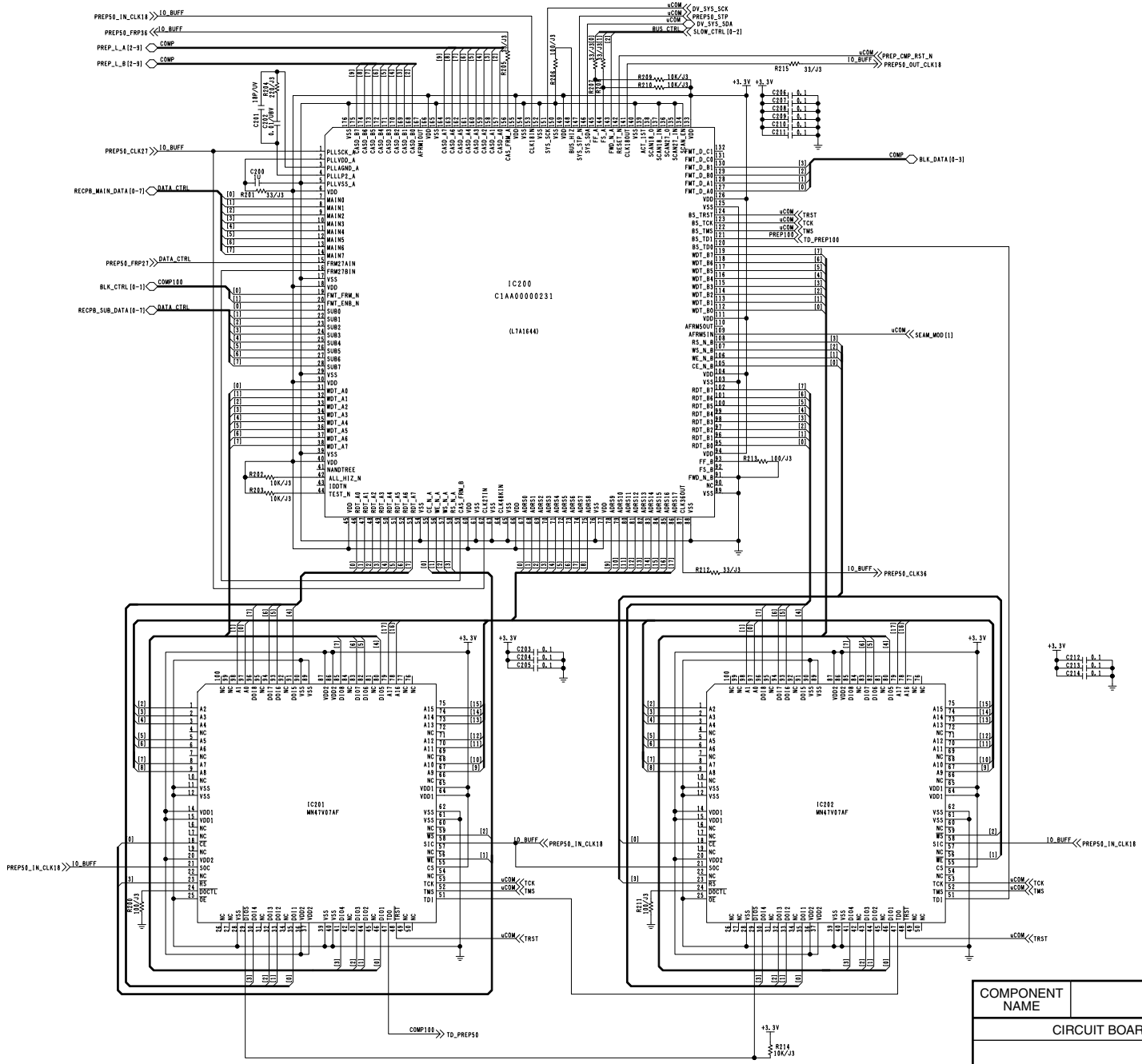
COMPONENT NAME	**REC PB**	01/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(1/12)
		SCM027



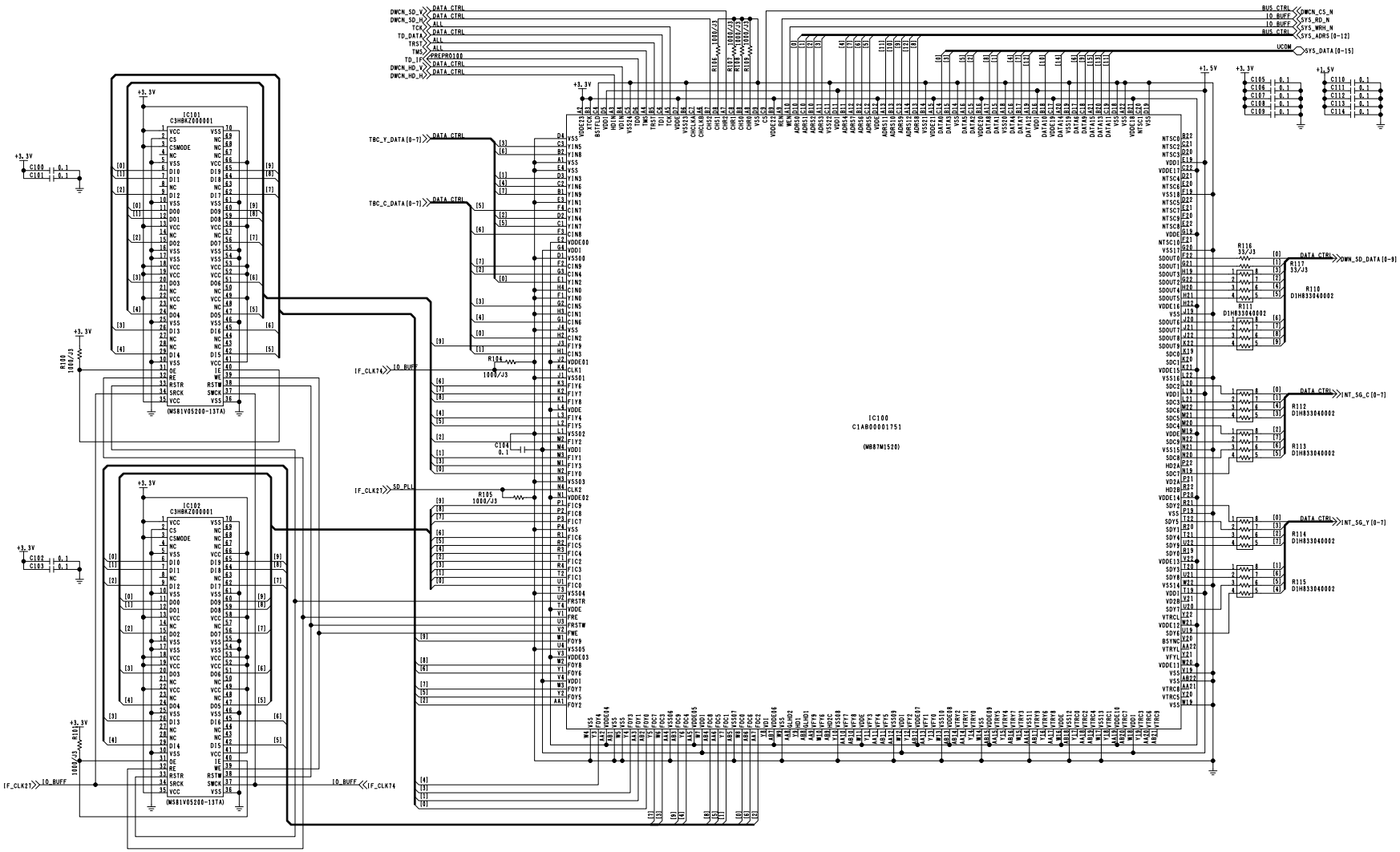
COMPONENT NAME	**REC PB**	02/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(2/12)
		SCM028



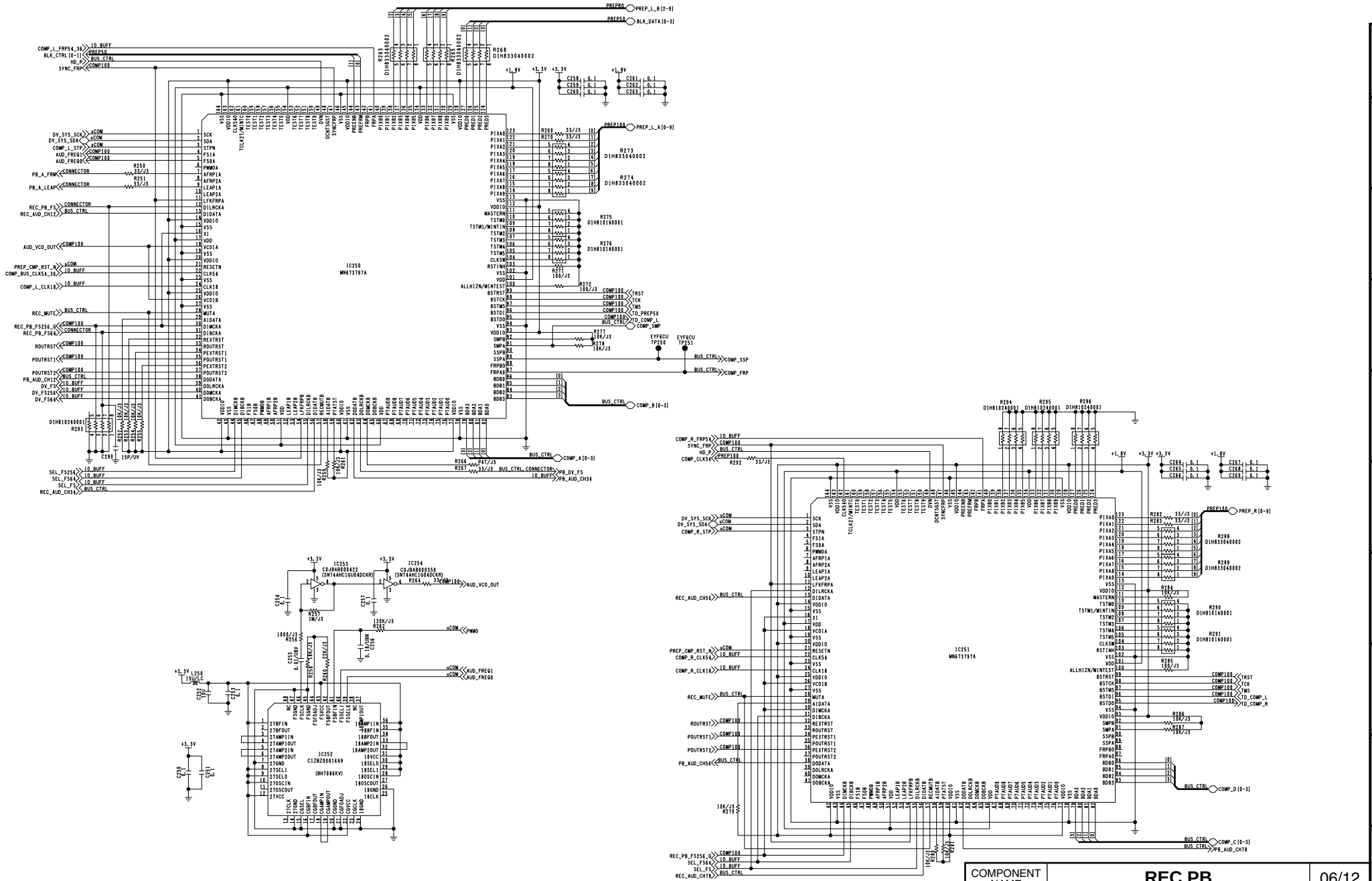
COMPONENT NAME	**REC PB**	03/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(3/12)
		SCM029



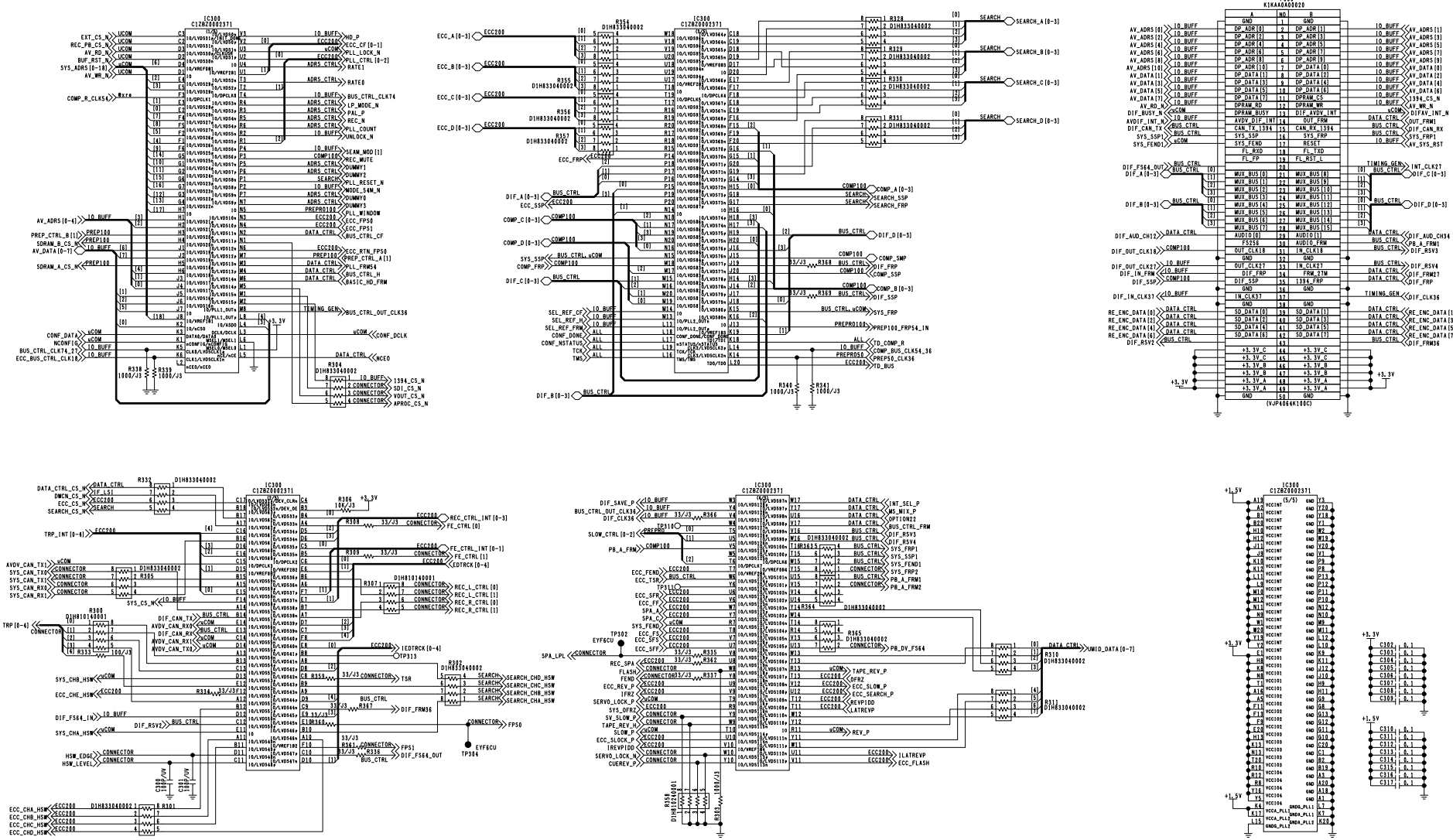
COMPONENT NAME	REC PB	04/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(4/12)
		SCM030



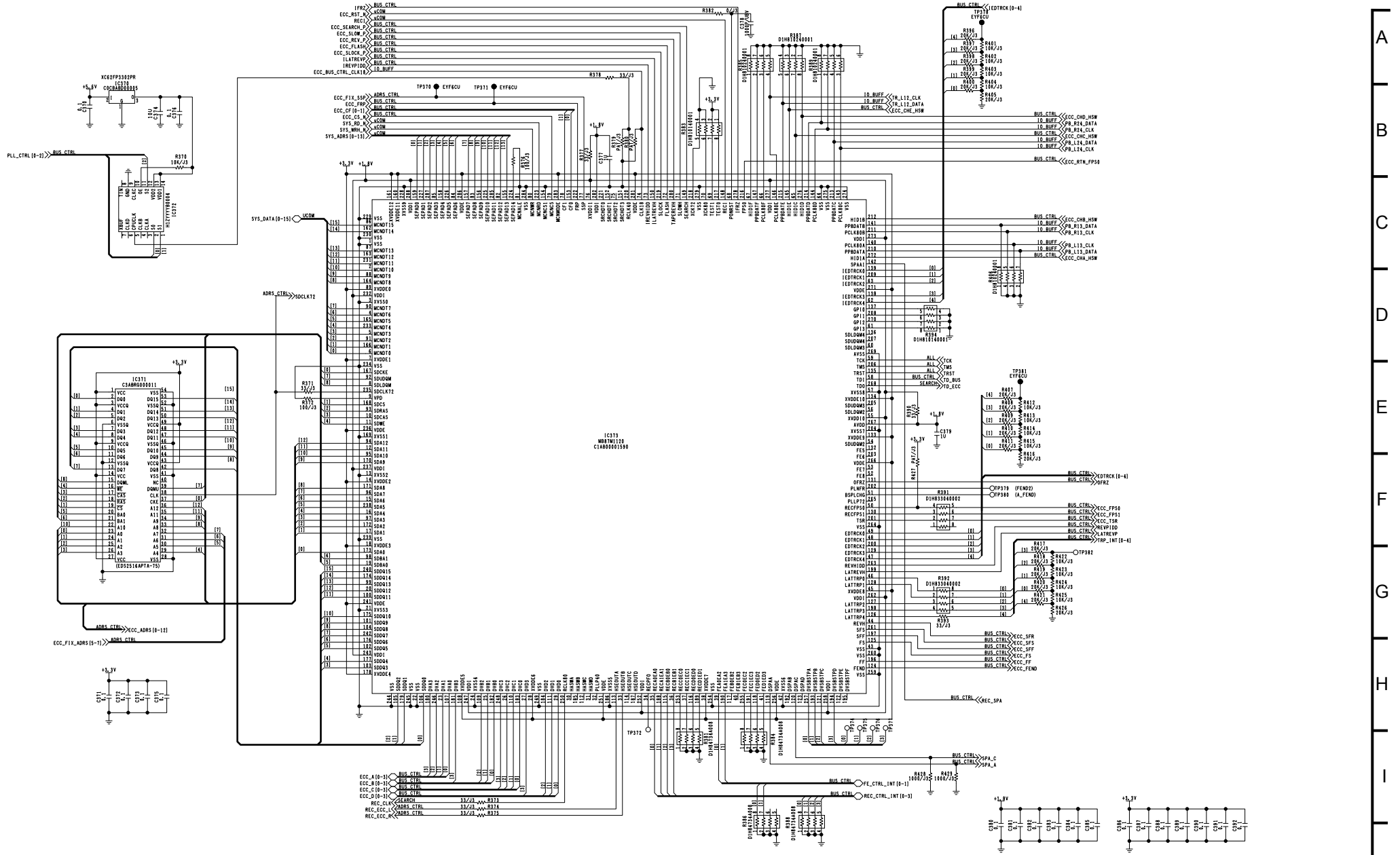
COMPONENT NAME	**REC PB**	05/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(5/12)
		SCM031



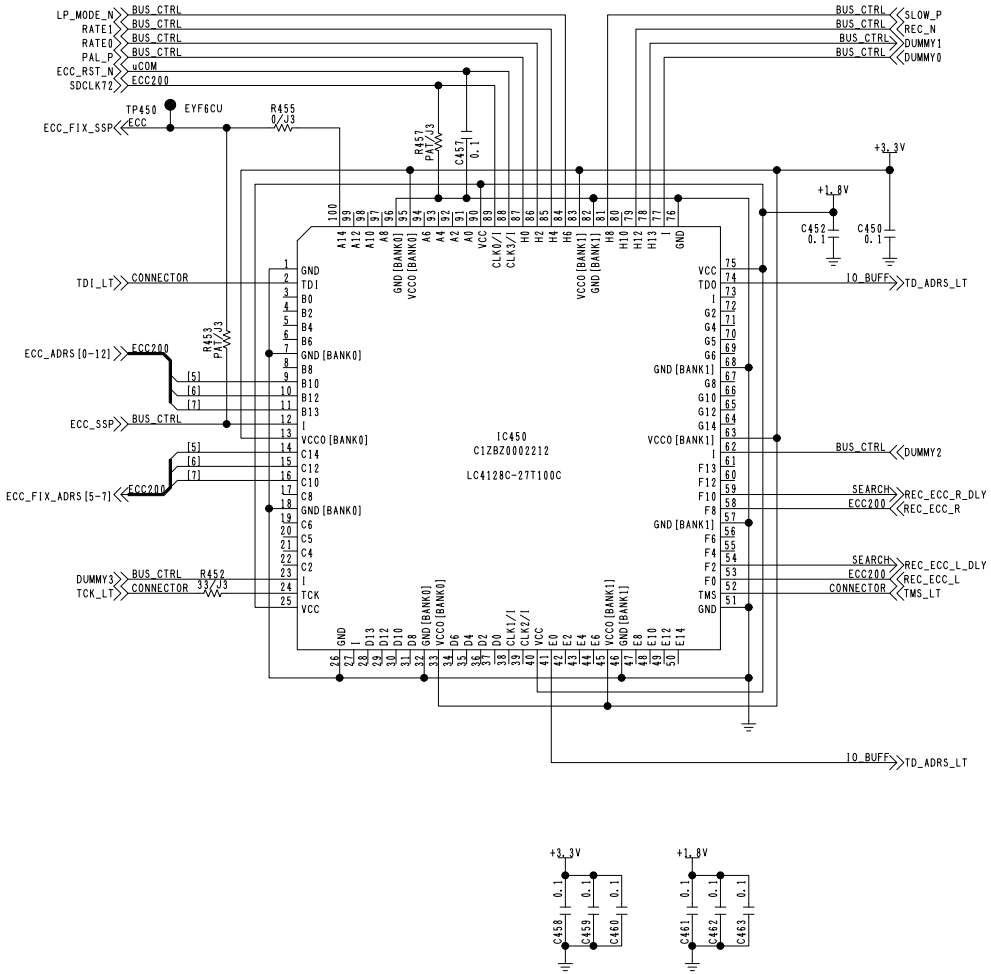
COMPONENT NAME	**REC PB**	06/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(6/12)
		SCM032



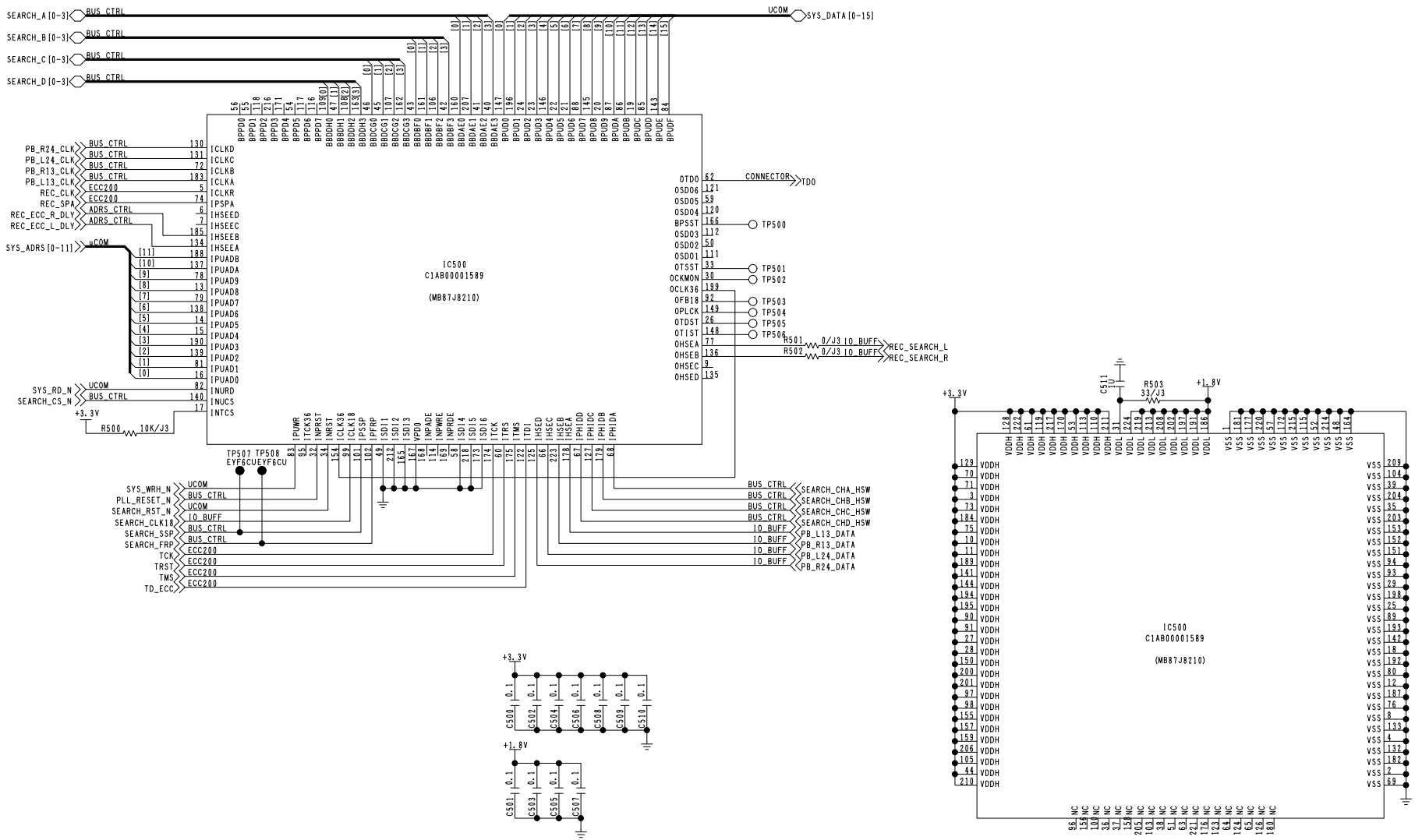
COMPONENT NAME	REC PB	07/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(7/12)
		SCM033



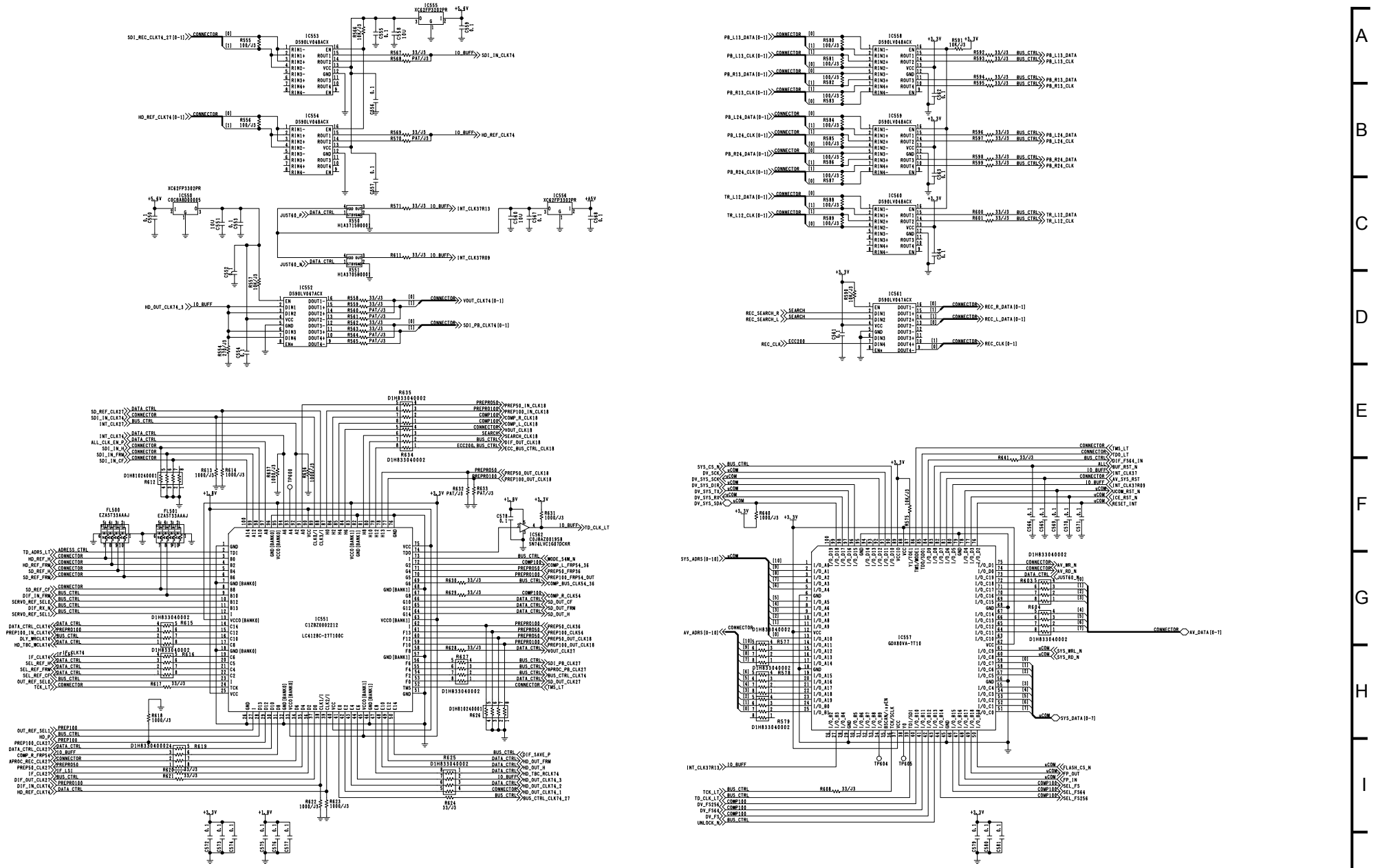
COMPONENT NAME	**REC PB**	08/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(8/12)
		SCM034



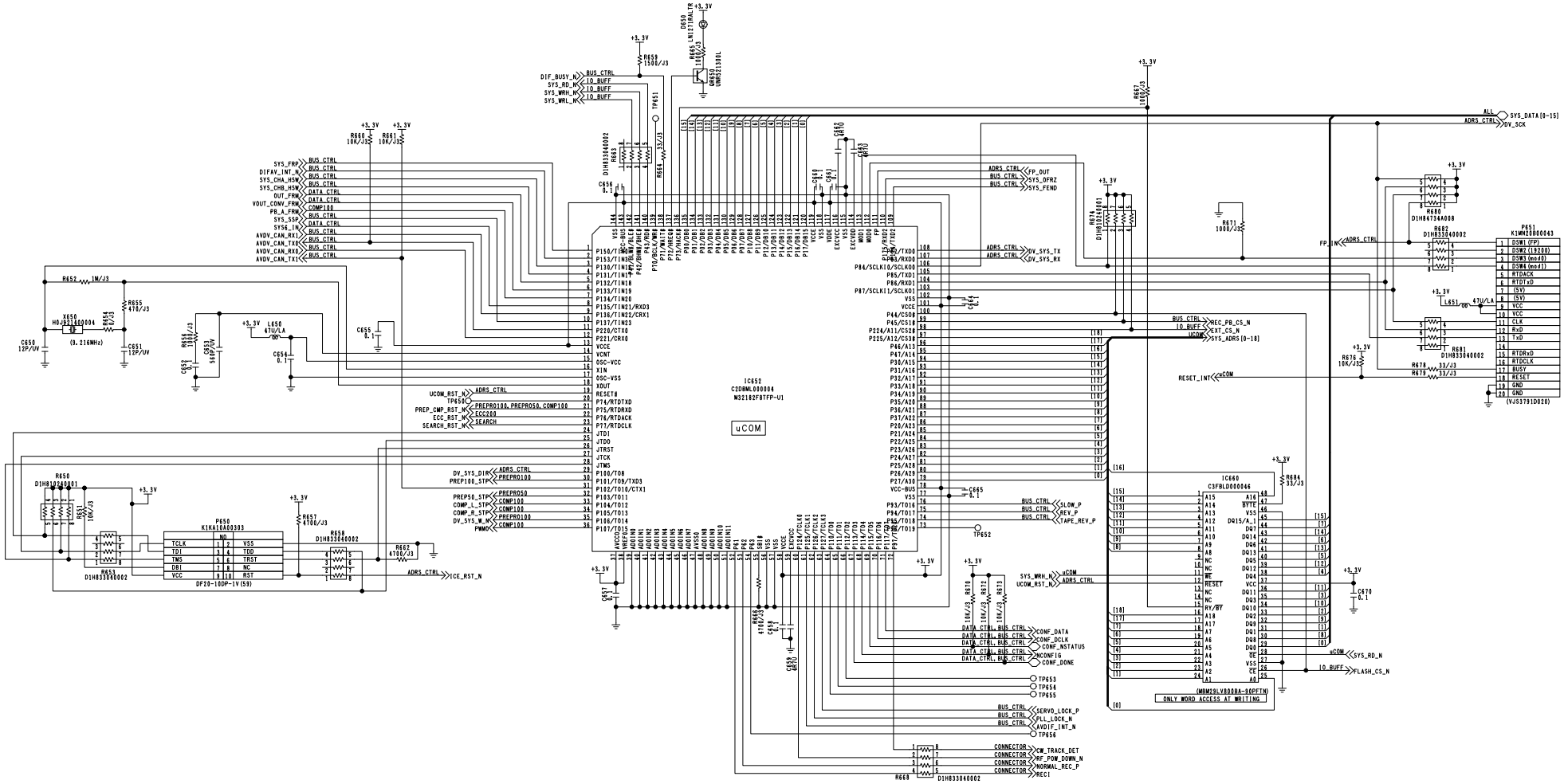
COMPONENT NAME	**REC PB**	09/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(9/12)
		SCM035



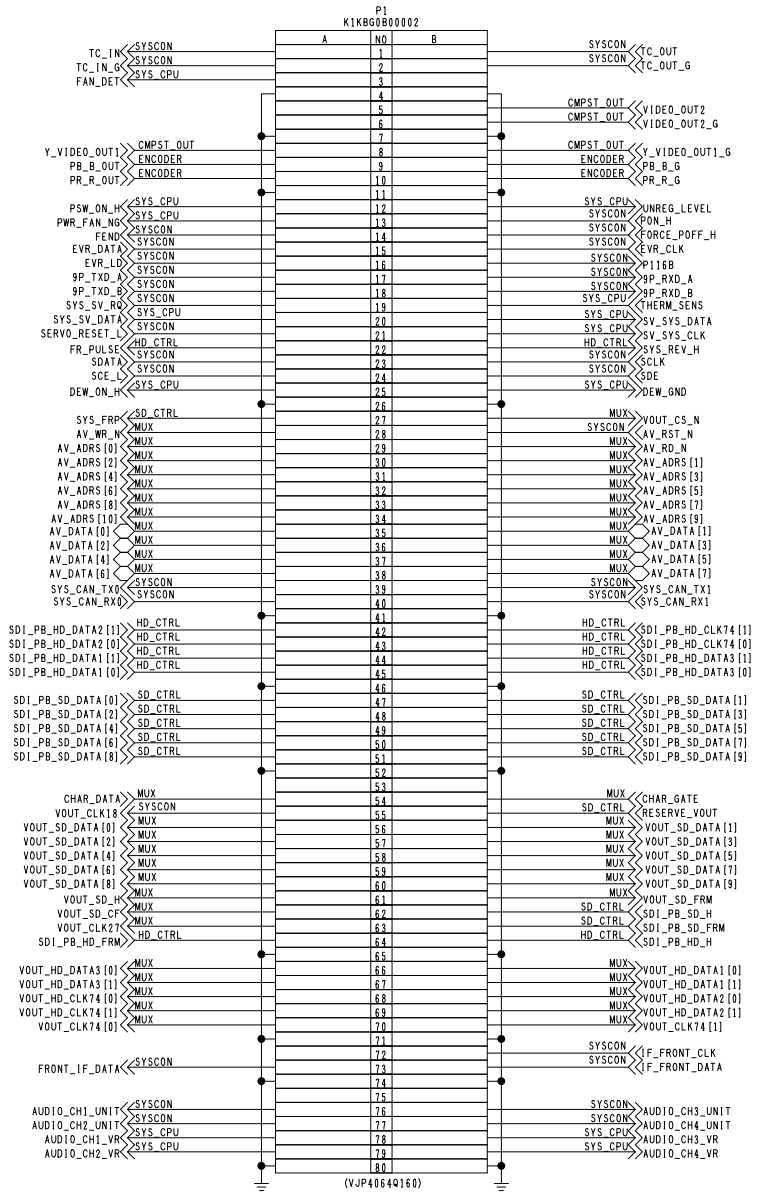
COMPONENT NAME	REC PB	10/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(10/12)
		SCM036

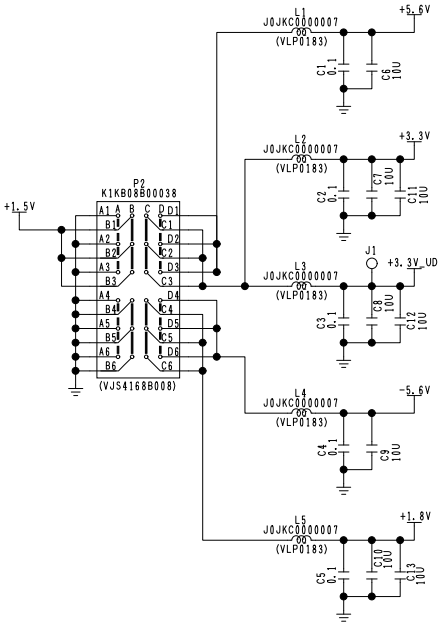


COMPONENT NAME	**REC PB**	11/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(11/12)
		SCM037

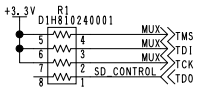


COMPONENT NAME	REC PB	12/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(12/12)
		SCM038

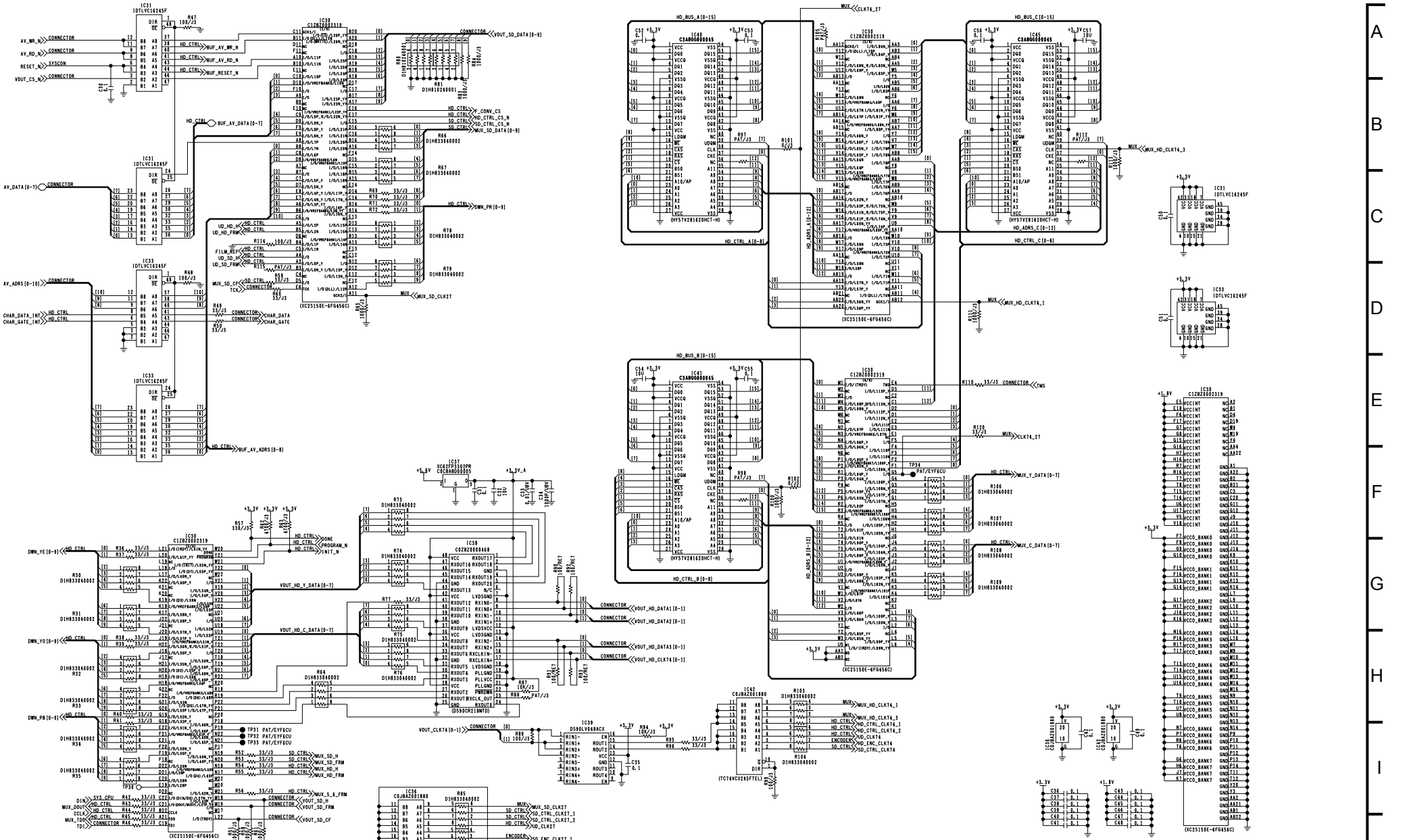




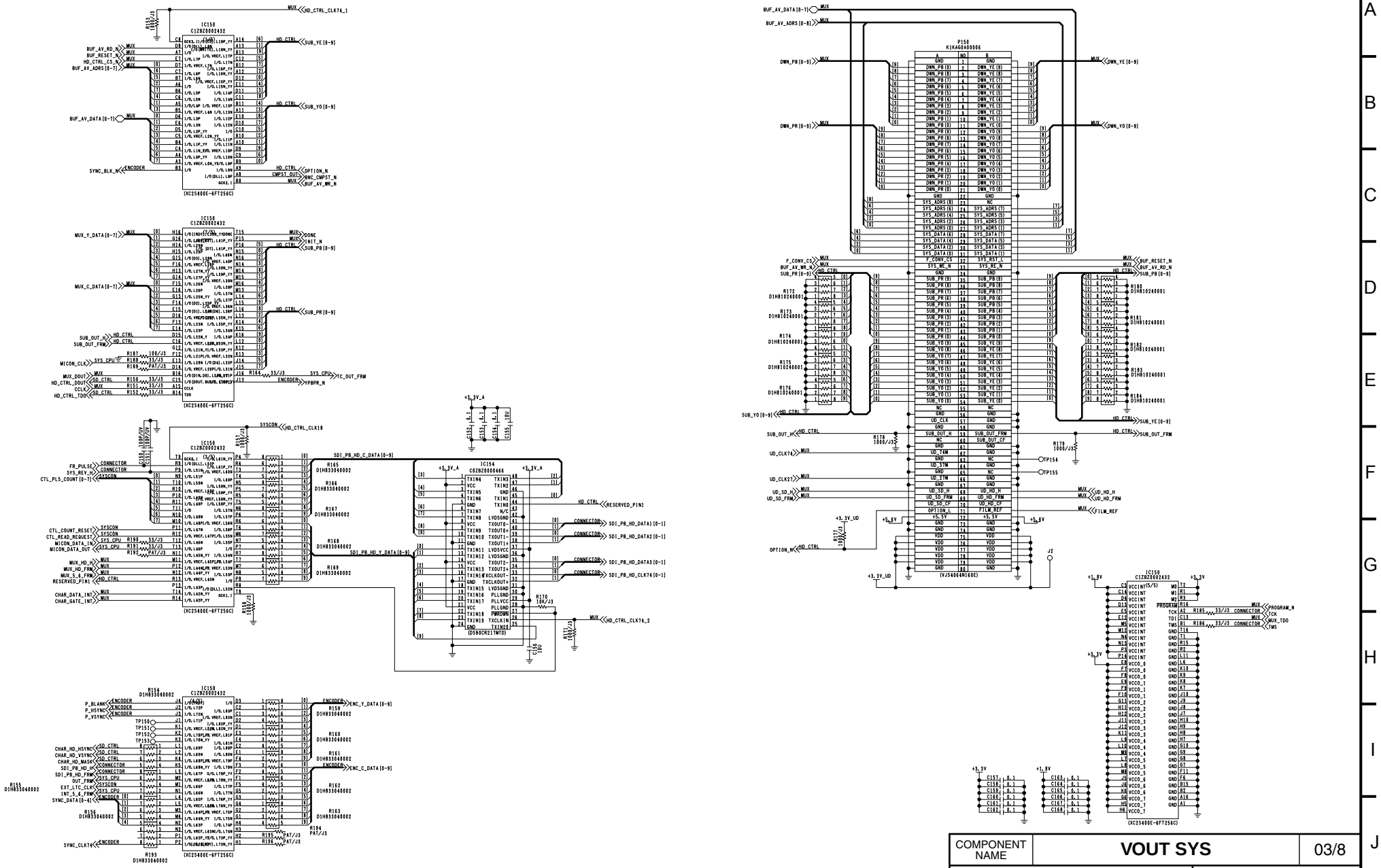




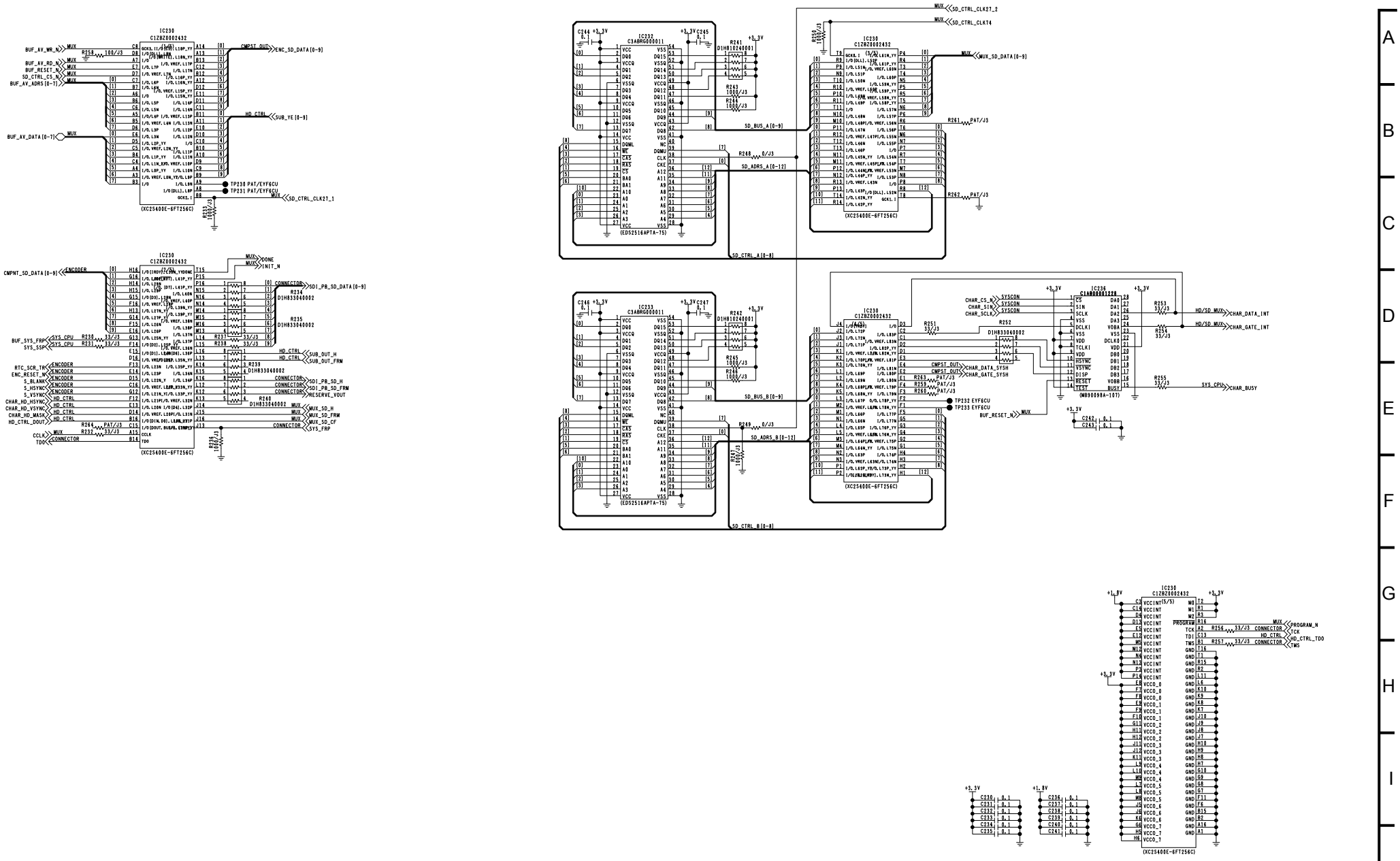
COMPONENT NAME	**VOUT SYS**	01/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(1/8)
		SCM039



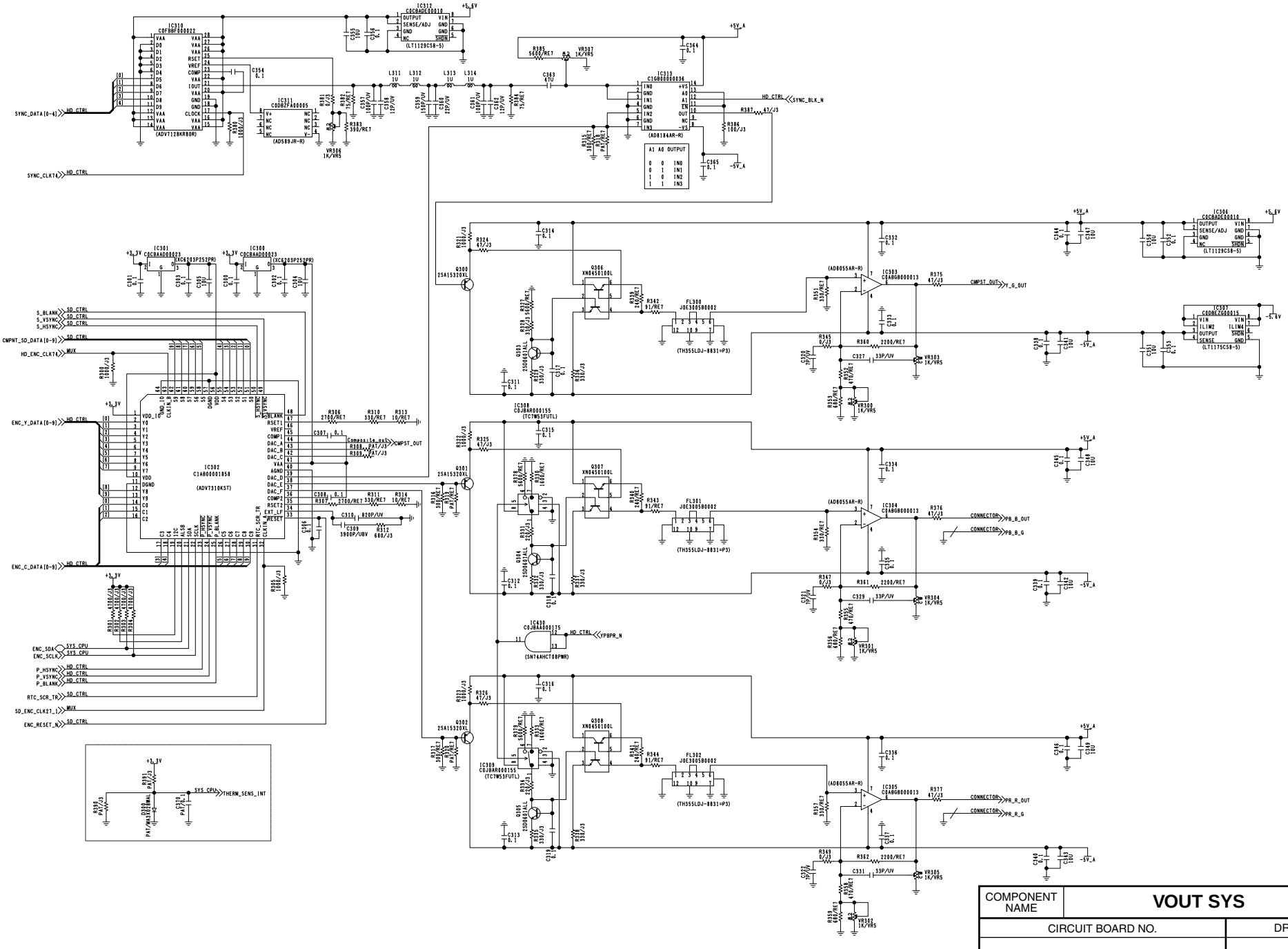
COMPONENT NAME	VOUT SYS	02/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(2/8)
		SCM040



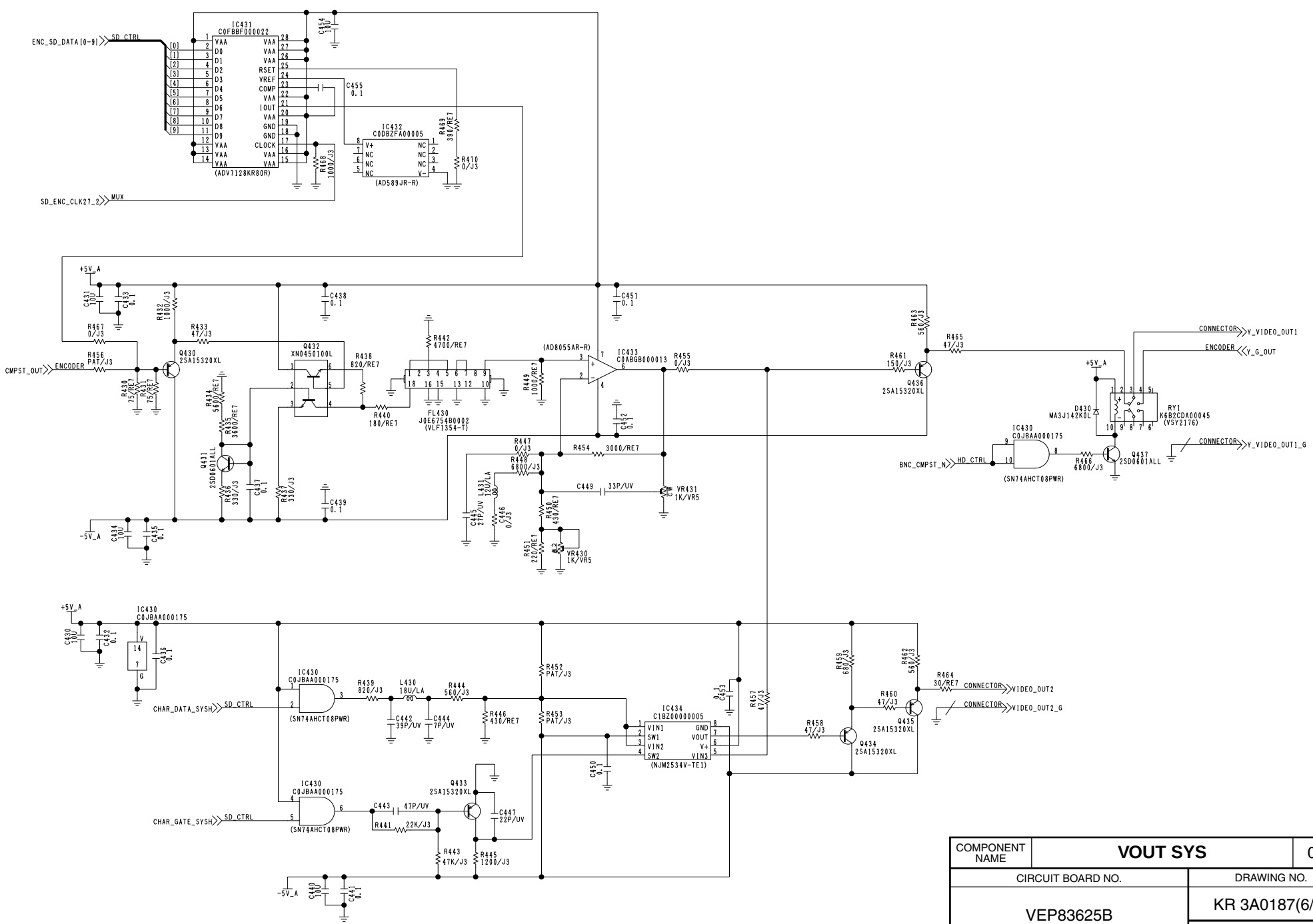
COMPONENT NAME	**VOUT SYS** 03/8
CIRCUIT BOARD NO.	DRAWING NO.
VEP83625B	KR 3A0187(3/8)
	SCM041



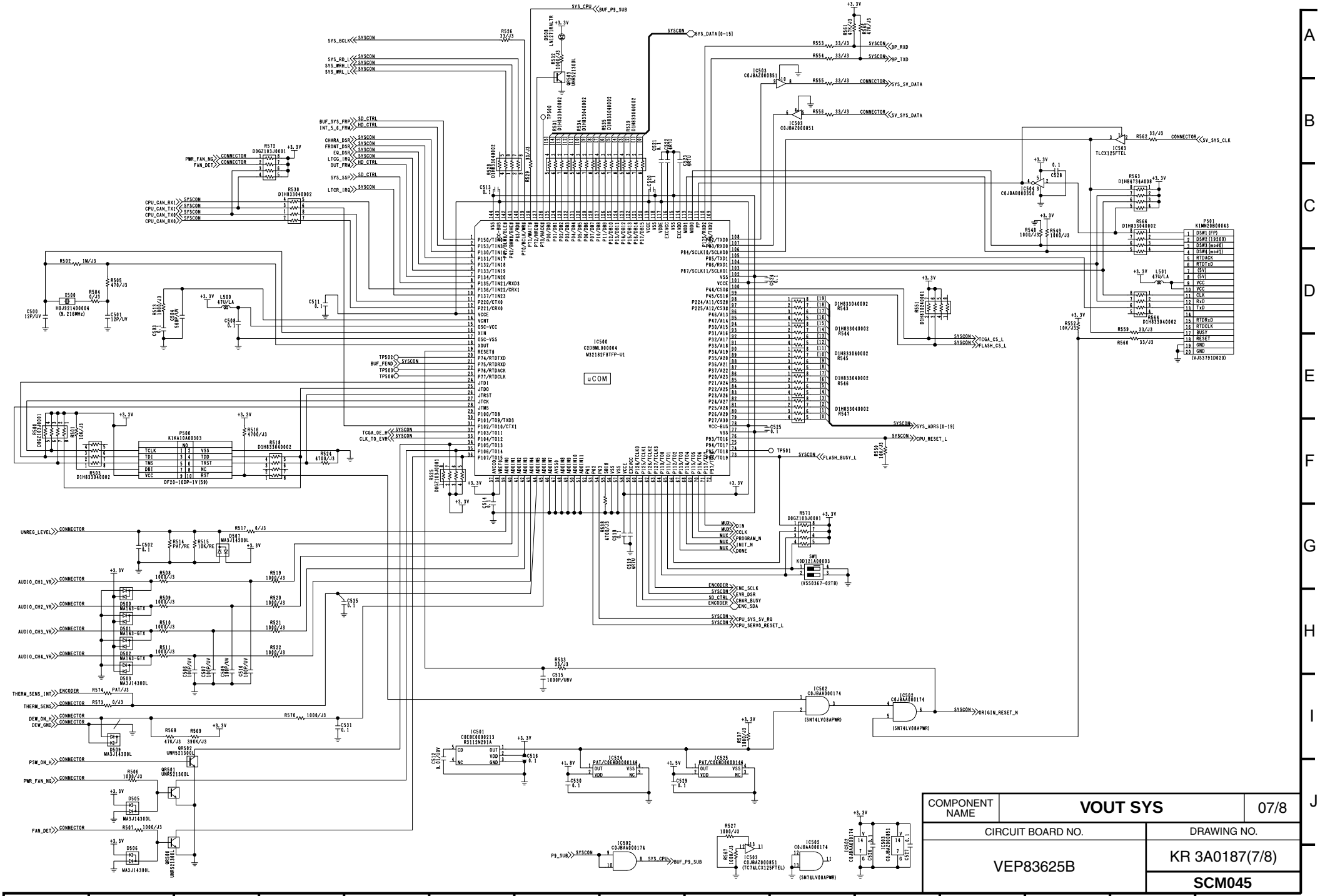
COMPONENT NAME	**VOUT SYS**	04/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(4/8)
		SCM042

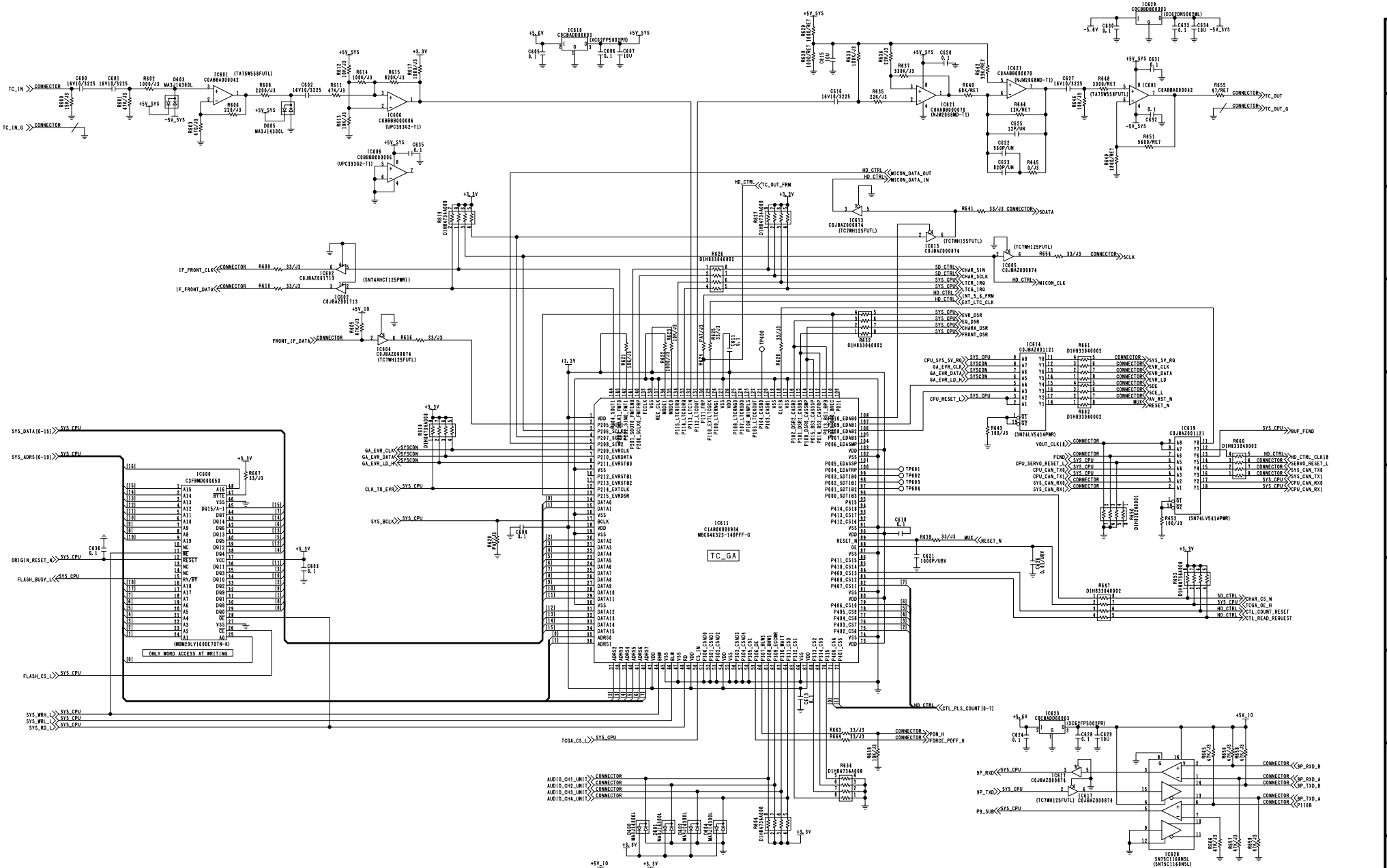


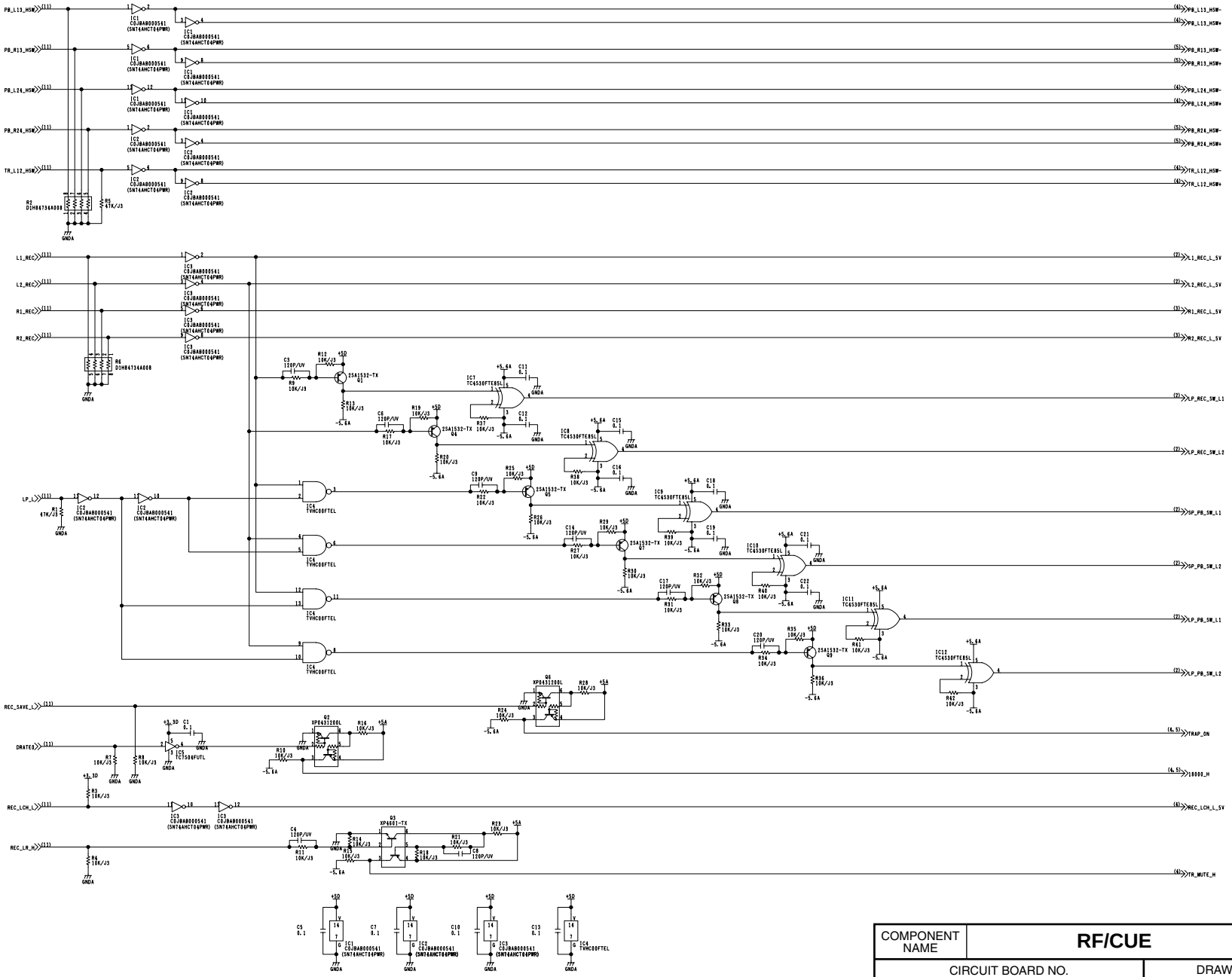
COMPONENT NAME	VOUT SYS	05/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(5/8)
		SCM043



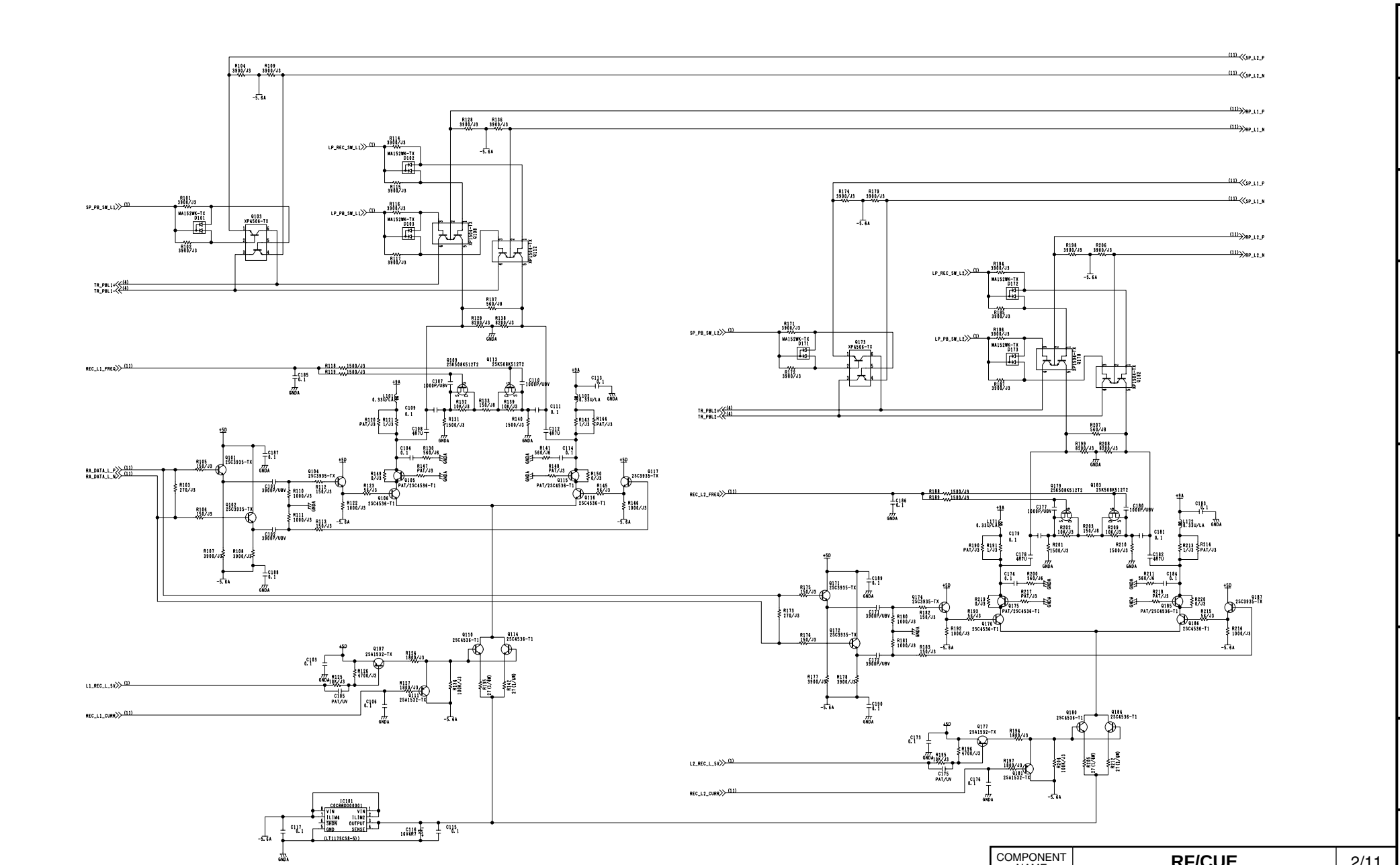
COMPONENT NAME	**VOUT SYS**	06/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(6/8)
		SCM044


IC500
C2DBML000004
M32182F8TFP-U1
uCOM
IC501
C0EBE0000213
R3112N291A
IC502
C0JBAA000174
(SN74LV08APWR)
IC503
C0JBAZ000051
(TC74LCX125FTEL)
IC504
C0JBAB000350
PS01
K1MW20B00043
PS80
K1KA10A00303
DF20-10DP-1V(59)
SW1
KOD121A00003
(VSS0367-02TB)
TPS01
TPS02
TPS03
TPS04
SYS_CPU
BUF_P9_SUB
SYS_DATA[0-15]
SYS_BCLK
SYS_RD_L
SYS_WRH_L
SYS_WRL_L
BUF_SYS_FRP
INT_5_6_FRM
CHARA_DSR
FRONT_DSR
EG_DSR
LTCG_IRQ
OUT_FRM
SYS_SSP
LTCR_IRQ
CPU_CAN_RX1
CPU_CAN_TX1
CPU_CAN_TX0
CPU_CAN_RX0
PWR_FAN_NG
FAN_DET
BUF_FEND
TCGA_OE_H
CLK_TO_EVR
UNREG_LEVEL
AUDIO_CH1_VR
AUDIO_CH2_VR
AUDIO_CH3_VR
AUDIO_CH4_VR
THERM_SENS_INT
THERM_SENS
DEW_ON_H
DEW_GND
PSW_ON_H
P9_SUB
SYS_CPU
SYS_SP_TXD
SYS_SP_RXD
SYS_SV_DATA
SV_SYS_DATA
SV_SYS_CLK
TCGA_CS_L
FLASH_CS_L
SYS_ADRS[0-19]
CPU_RESET_L
FLASH_BUSY_L
CPU_SYS_SV_RQ
CPU_SERVO_RESET_L
ORIGIN_RESET_N
ENC_SCLK
EVR_DSR
CHAR_BUSY
ENC_SDA
PROGRAM_N
INIT_N
DIN
CCLK
DONE
TCLK
TDI
TMS
DBI
VCC
TDO
TRST
NC
RST
VSS
D5W1 (FP)
D5W2 (19200)
D5W3 (mod0)
D5W4 (mod1)
RTDACK
RTDTxD
(5V)
VCC
CLK
RxD
TxD
RTDRxD
RTDCLK
BUSY
RESET
GND
(VJS3791D020)
COMPONENT NAME
VOUT SYS
07/8
CIRCUIT BOARD NO.
VEP83625B
DRAWING NO.
KR 3A0187(7/8)
SCM045

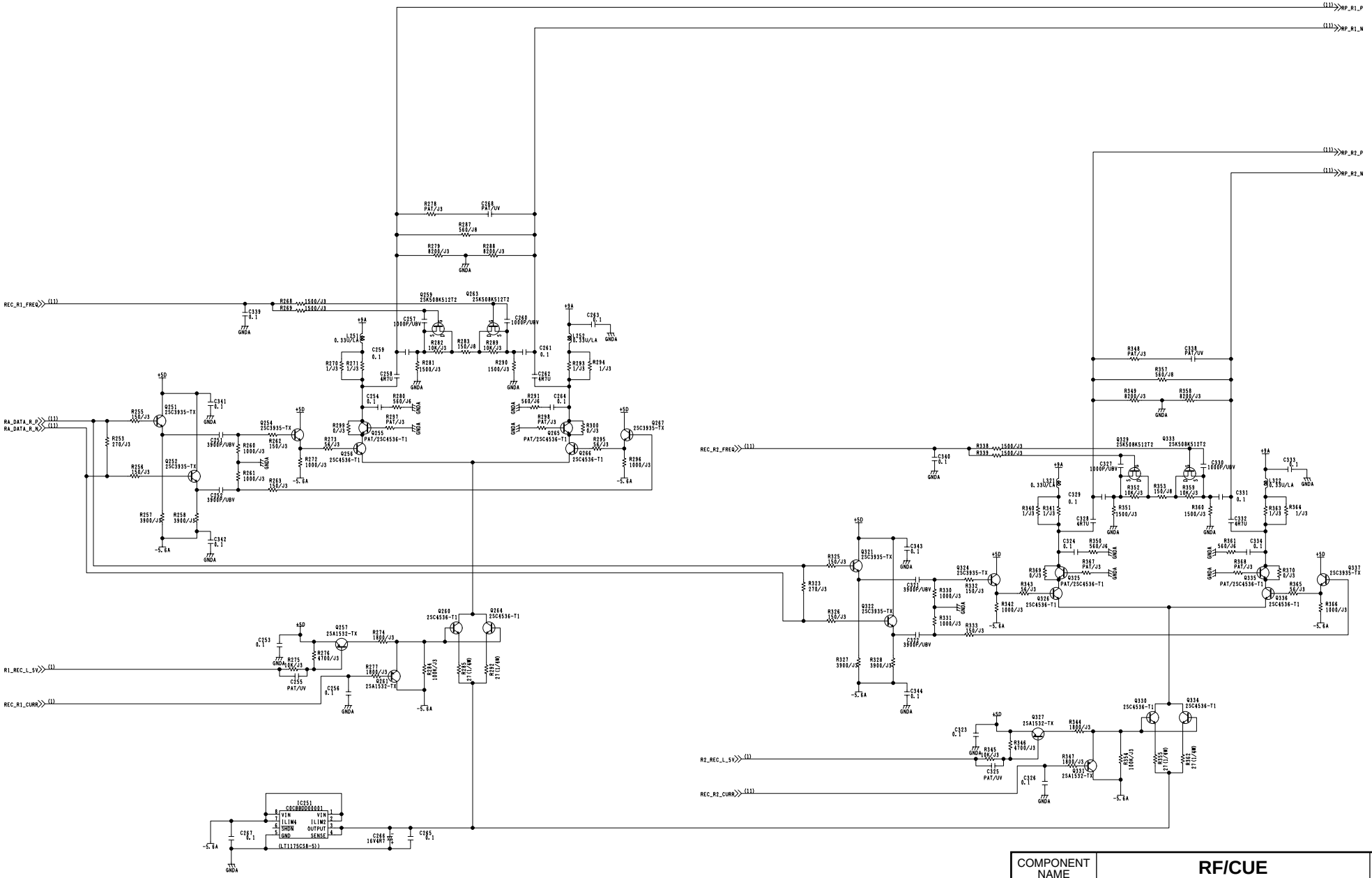

TC_GA
(MBM29LV160BE70TN-K)
ONLY WORD ACCESS AT WRITING
(TA75W558FUTL)
(UPC393G2-T1)
(NJM2068MD-T1)
(SN74AHCT125PWR)
(TCTWH125FUTL)
(SN74LV541APWR)
(SN74LV541APWR)
(XC62FPS003PR)
(SN74C118NSL)
(SN74C118NSL)
VOUT SYS
08/8
CIRCUIT BOARD NO.
VEP83625B
DRAWING NO.
KR 3A0187(8/8)
SCM046



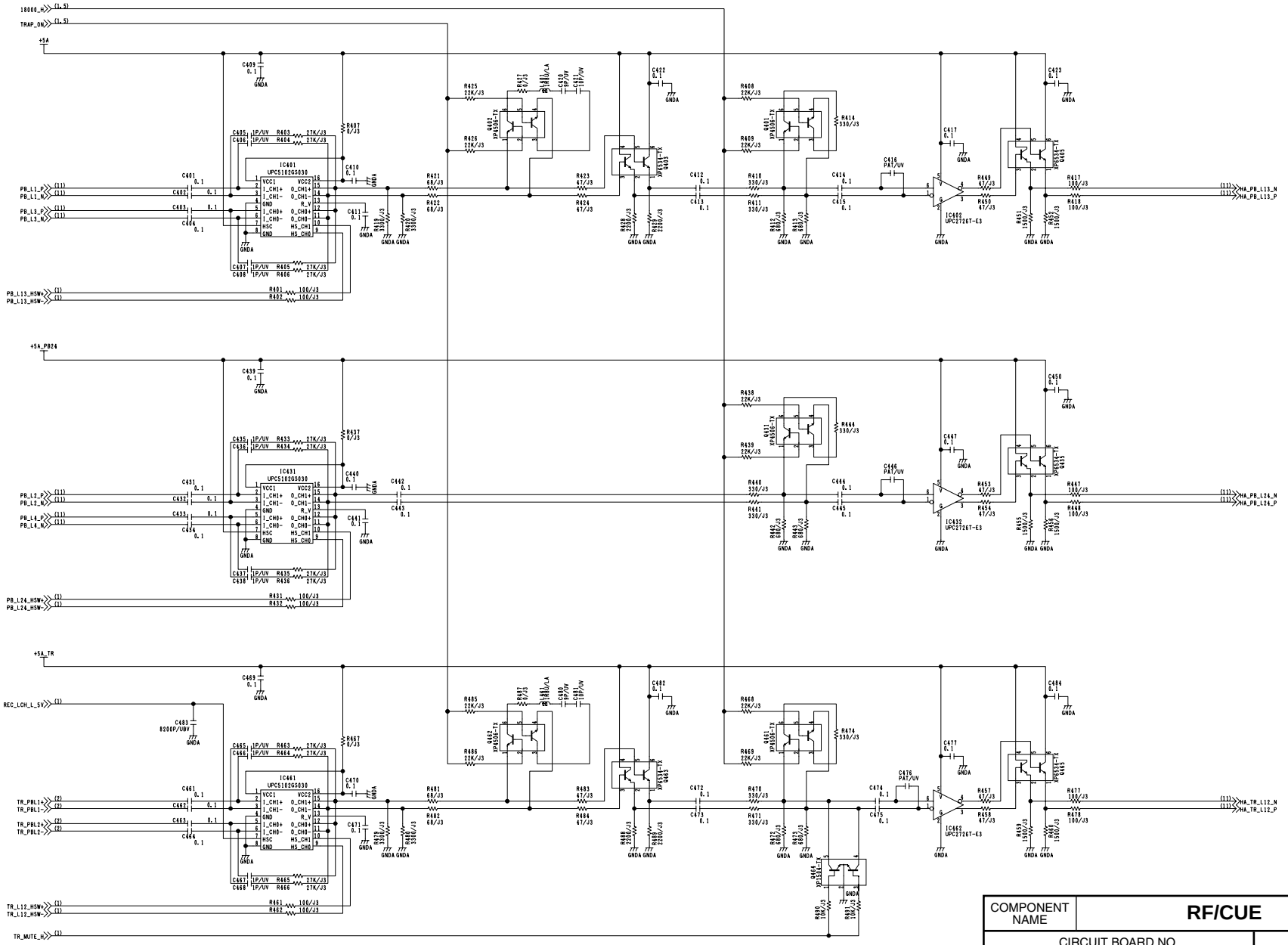
COMPONENT NAME	**RF/CUE**	1/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(1/11)
		SCM047



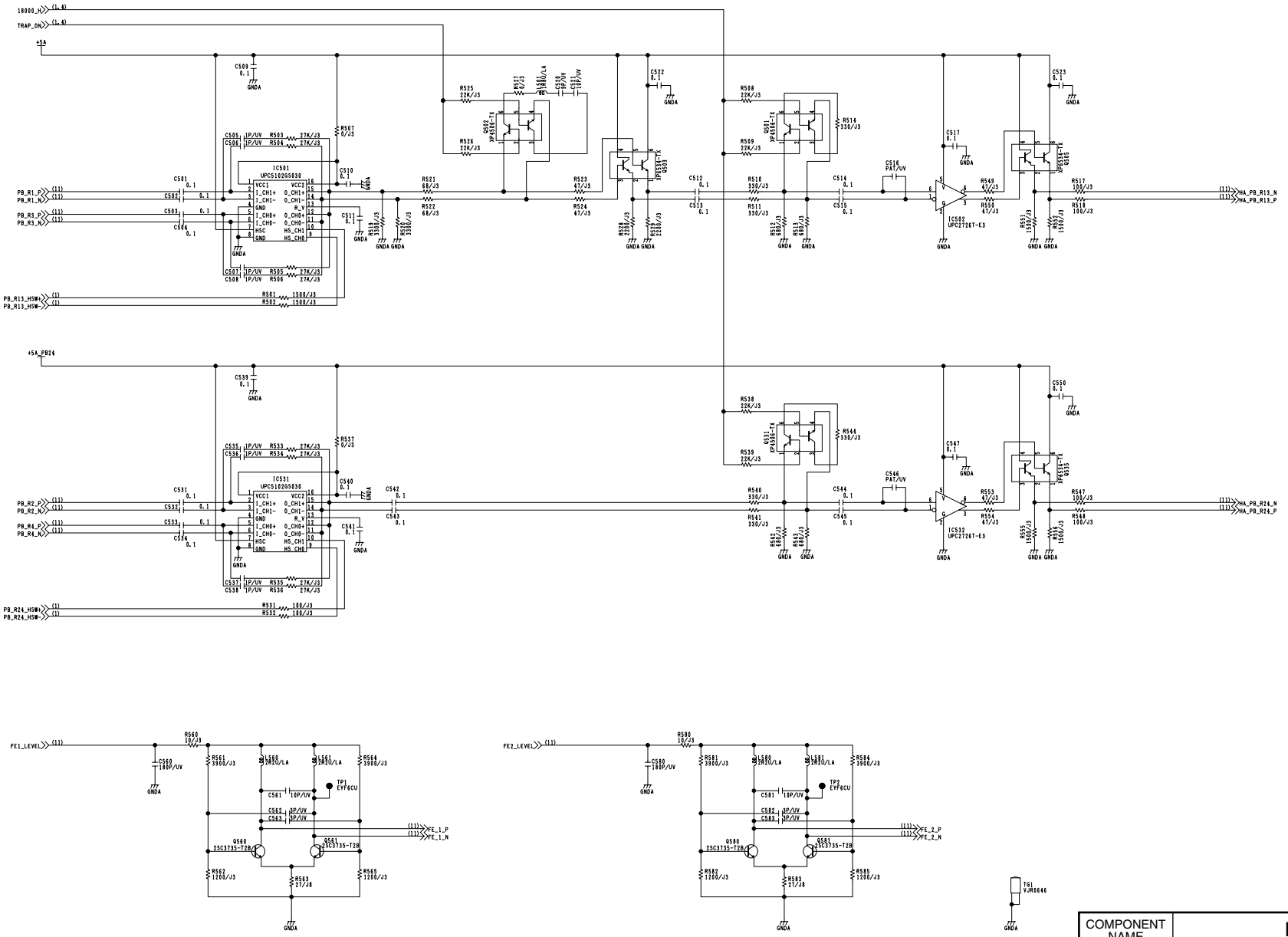
COMPONENT NAME	RF/CUE	2/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(2/11)
		SCM048



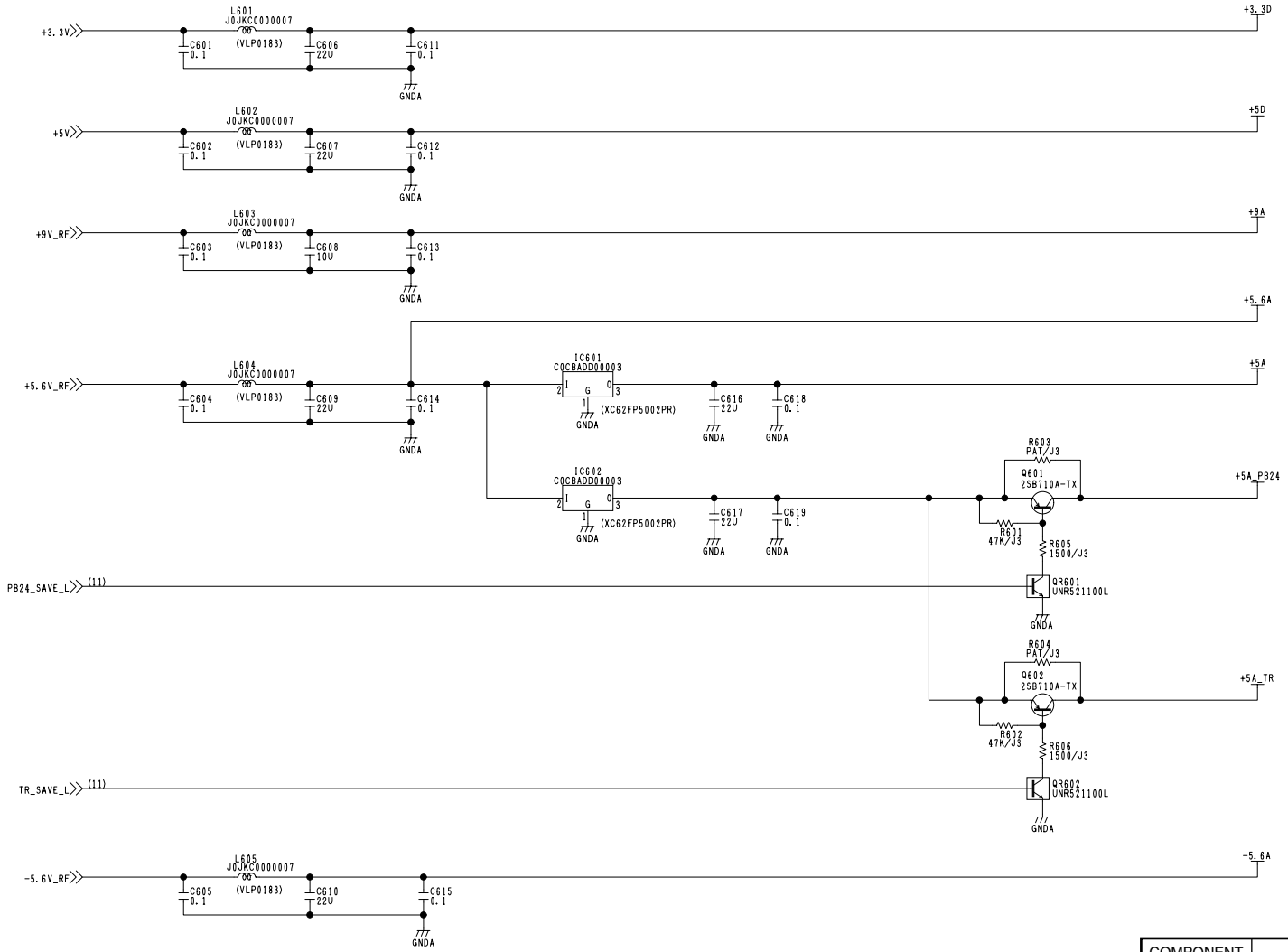
COMPONENT NAME	RF/CUE	3/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(3/11)
		SCM049



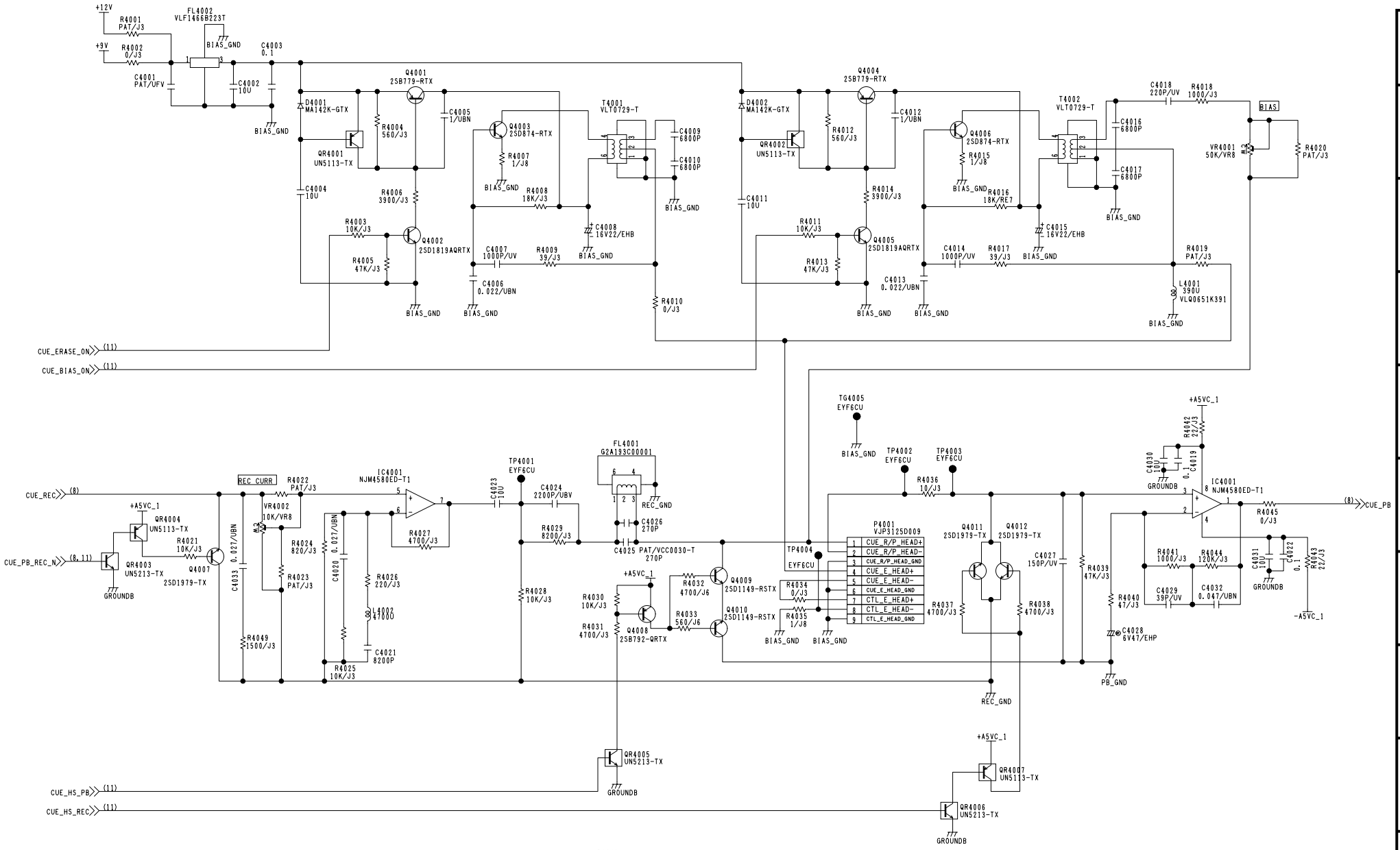
COMPONENT NAME	RF/CUE	4/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(4/11)
		SCM050



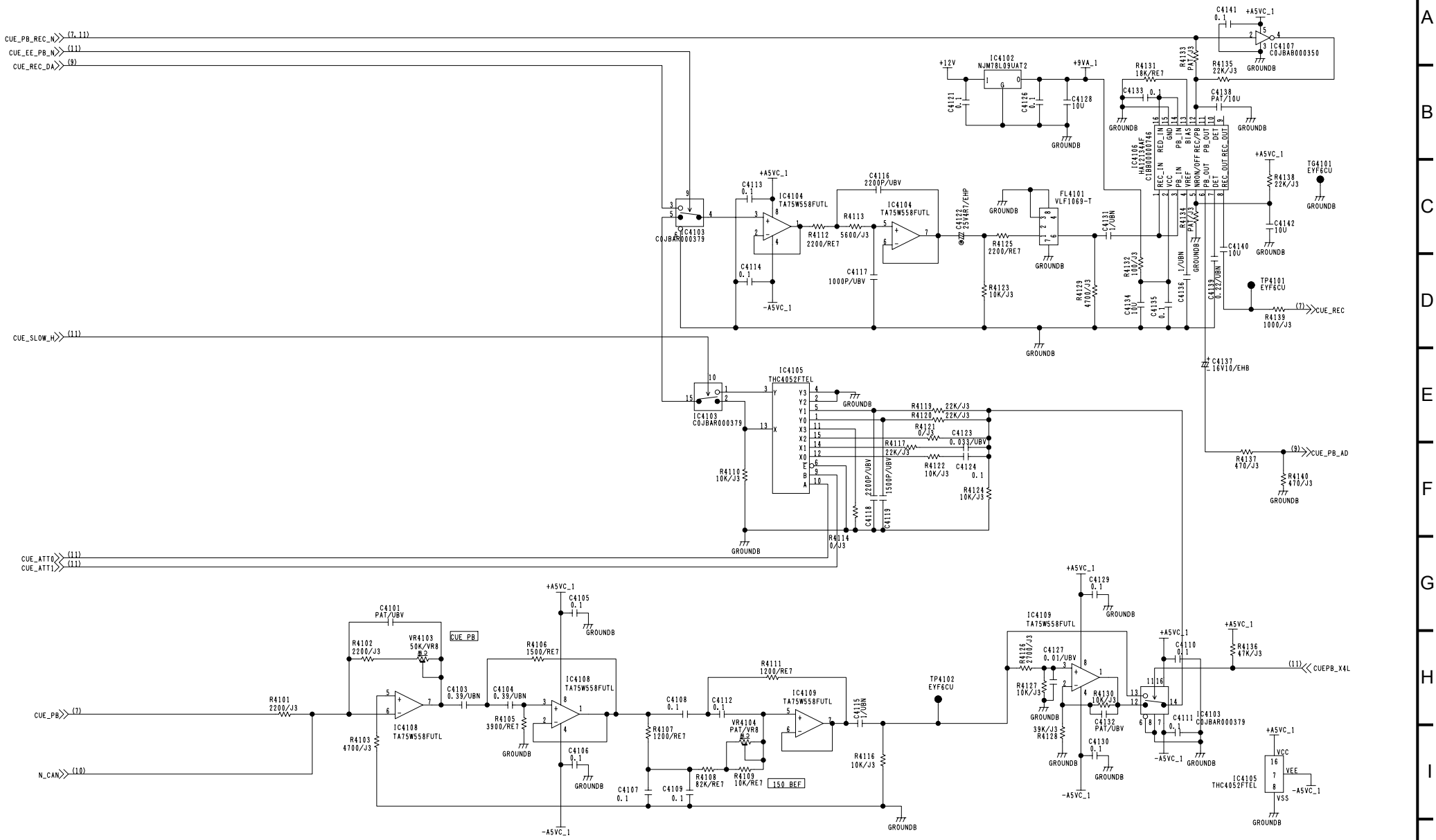
COMPONENT NAME	RF/CUE	5/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(5/11)
		SCM051



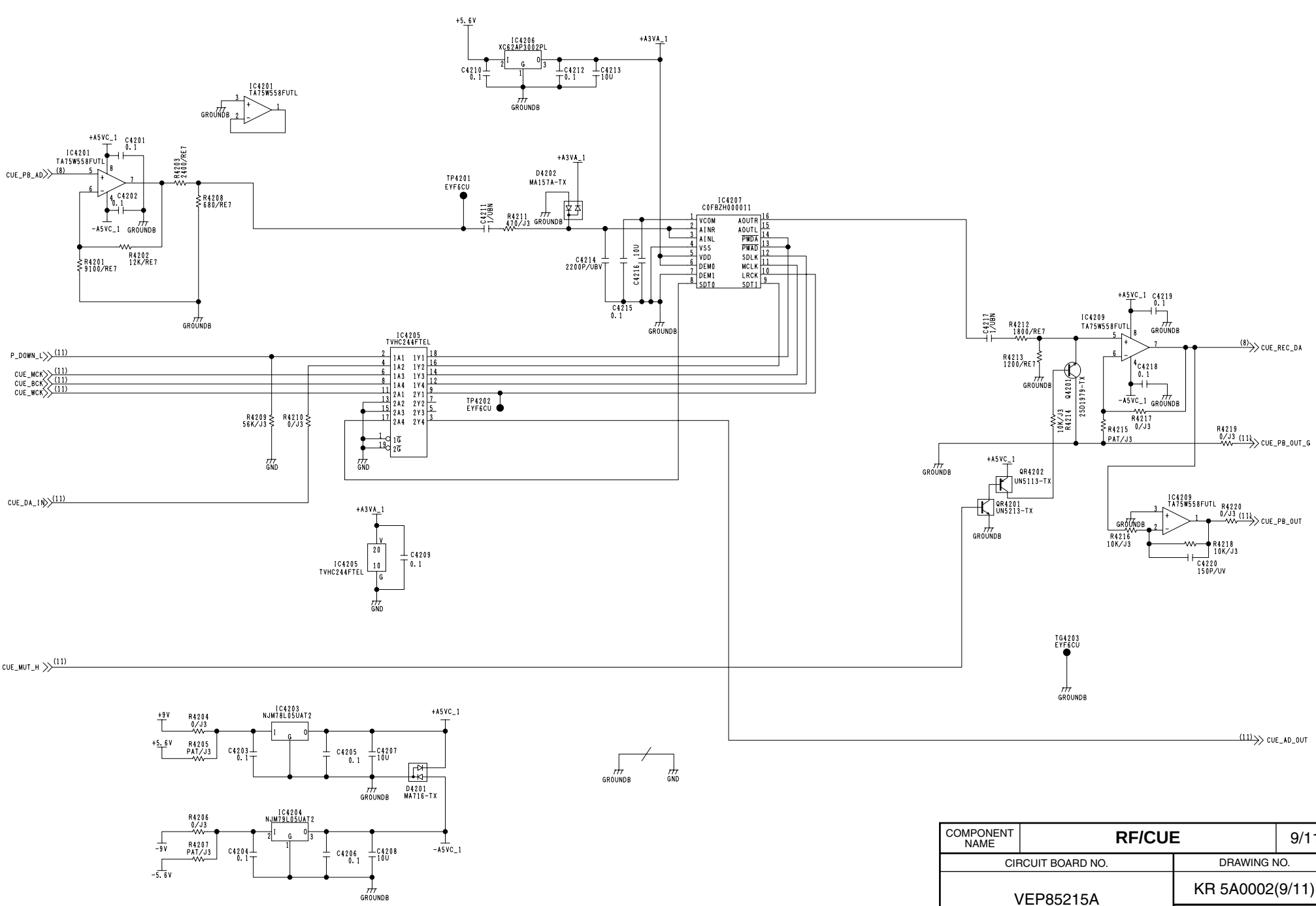
COMPONENT NAME	RF/CUE	6/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(6/11)
		SCM052



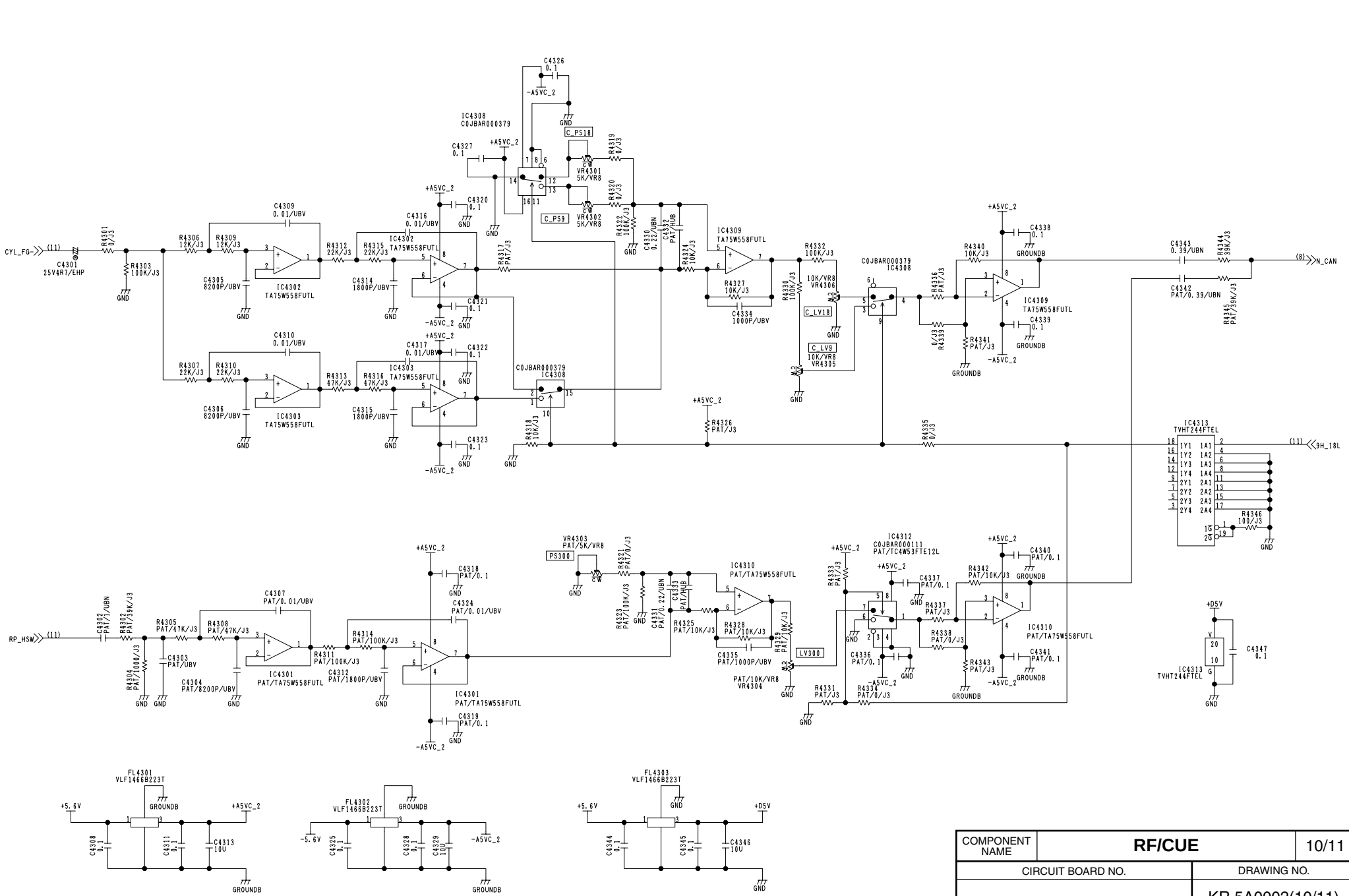
COMPONENT NAME	**RF/CUE**	7/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(7/11)
		SCM053



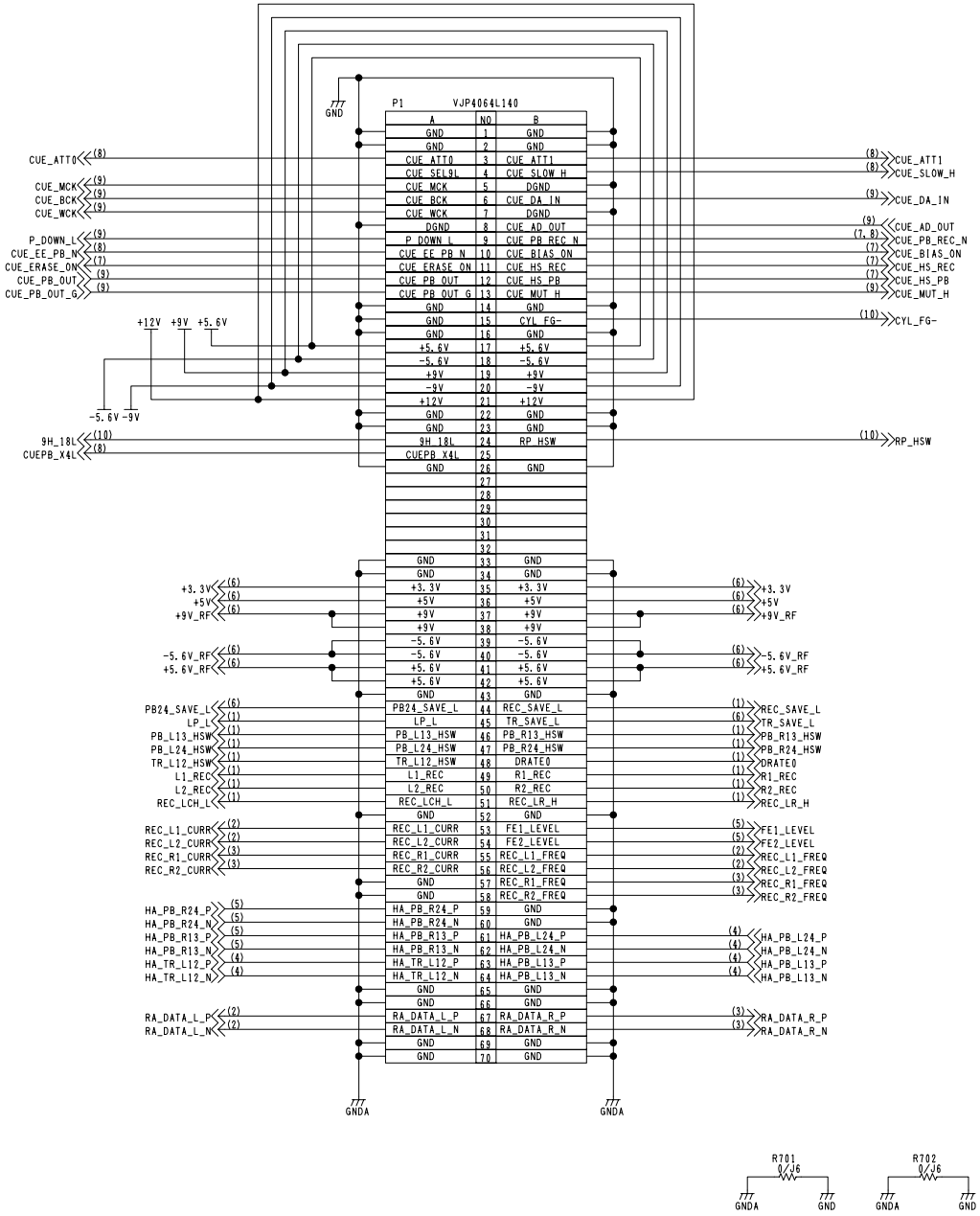
COMPONENT NAME	**RF/CUE**	8/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(8/11)
		SCM054



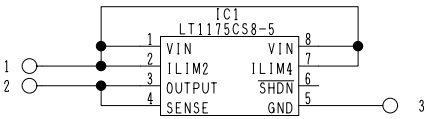
COMPONENT NAME	RF/CUE	9/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(9/11)
		SCM055



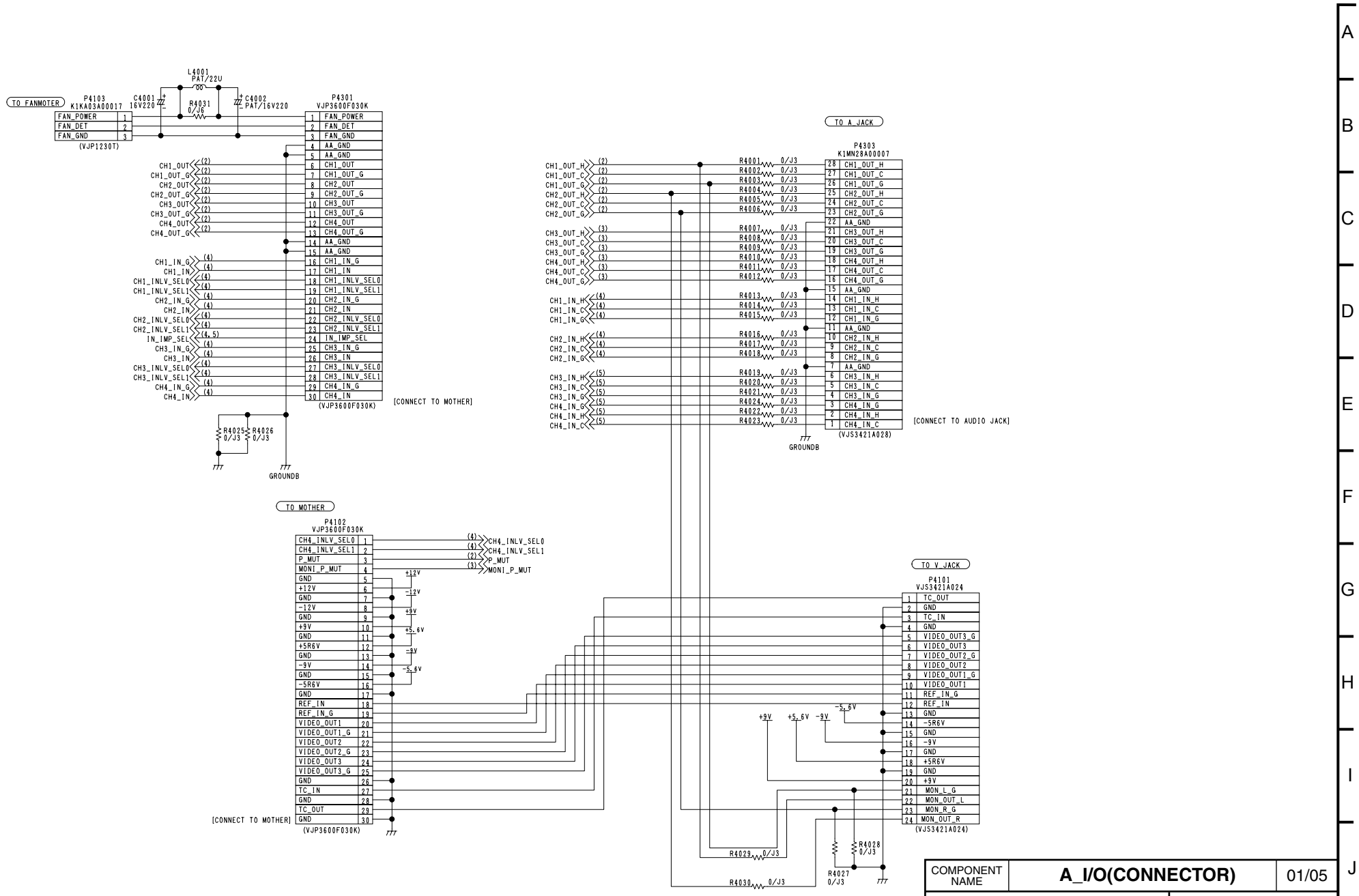
COMPONENT NAME	**RF/CUE**	10/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(10/11)
		SCM056



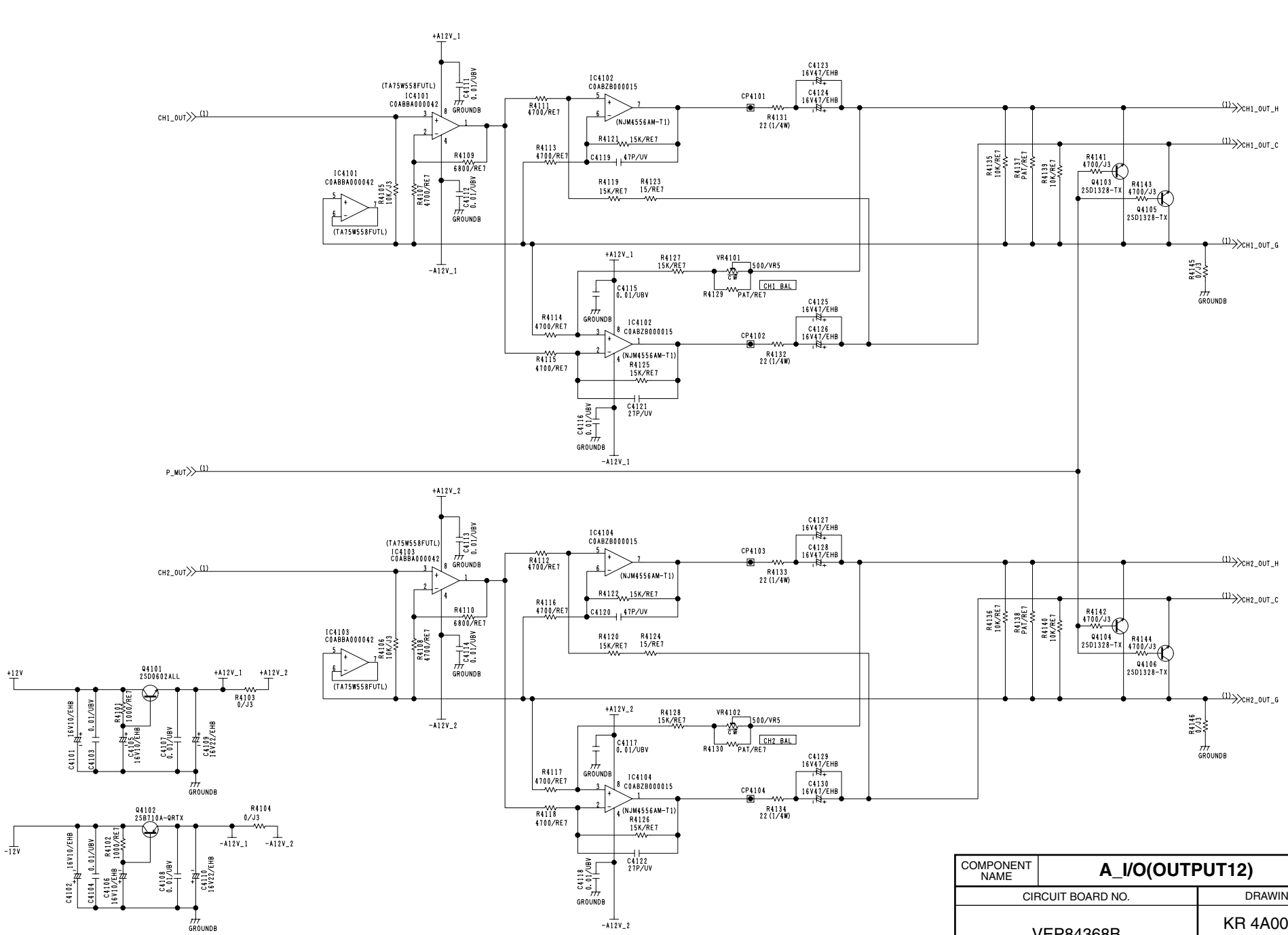
COMPONENT NAME	**RF/CUE**	11/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(11/11)
		SCM057



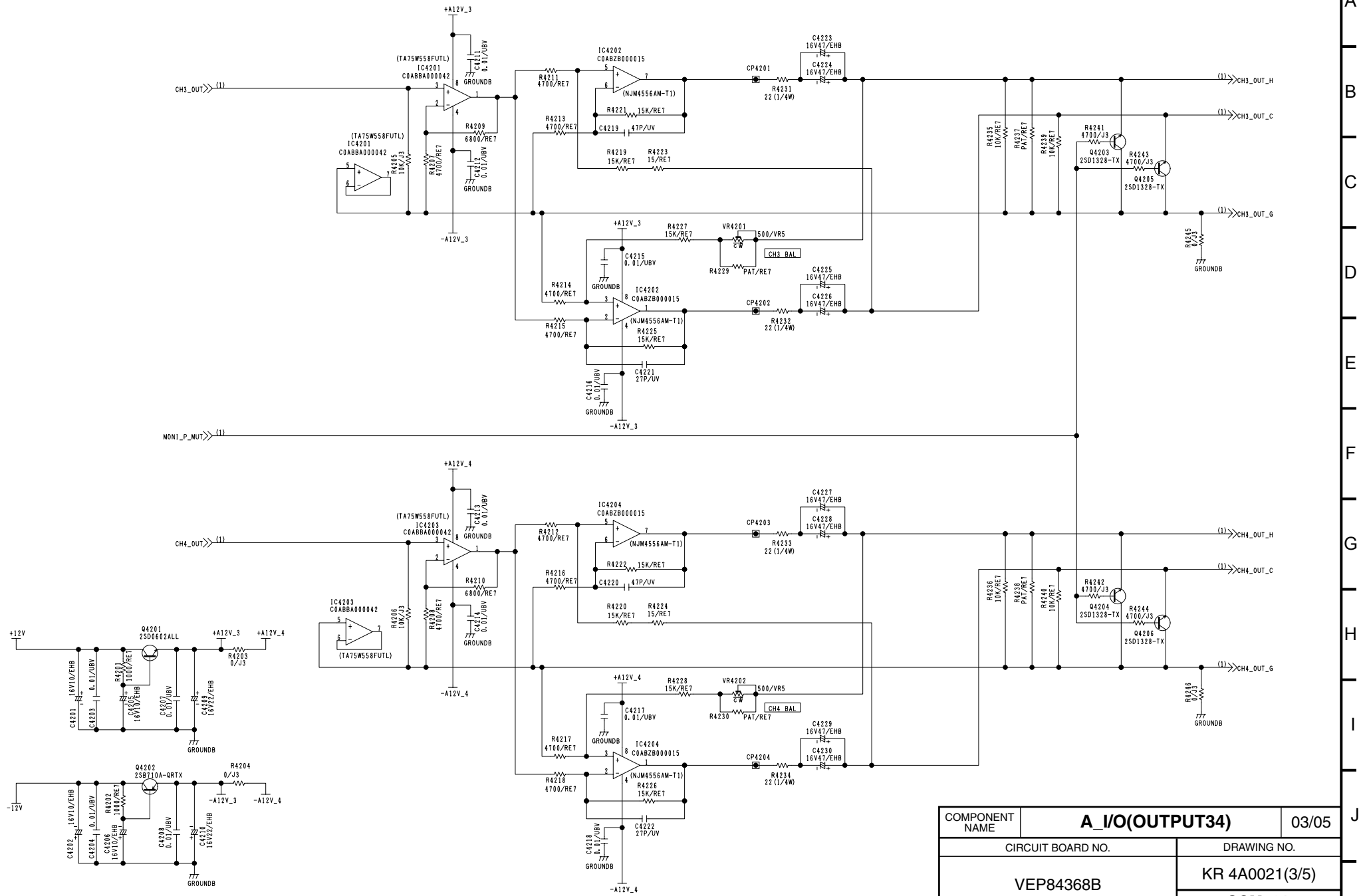
COMPONENT NAME	**RFEQ_SUB**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP85218A		KR 5A0011(1/1)
		SCM058



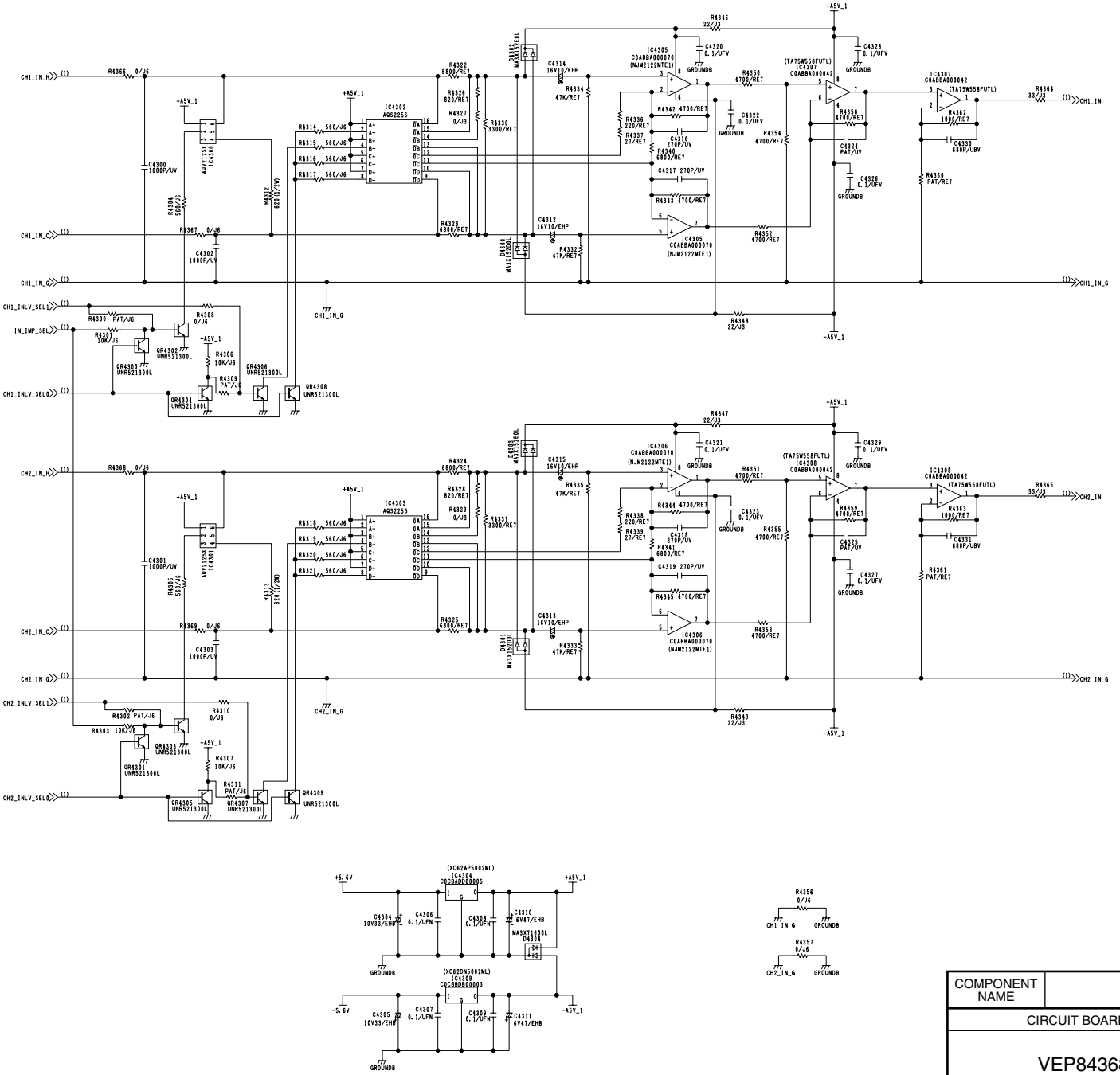
COMPONENT NAME	**A_I/O(CONNECTOR)**	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84368B	KR 4A0021(1/5)	
	SCM059	



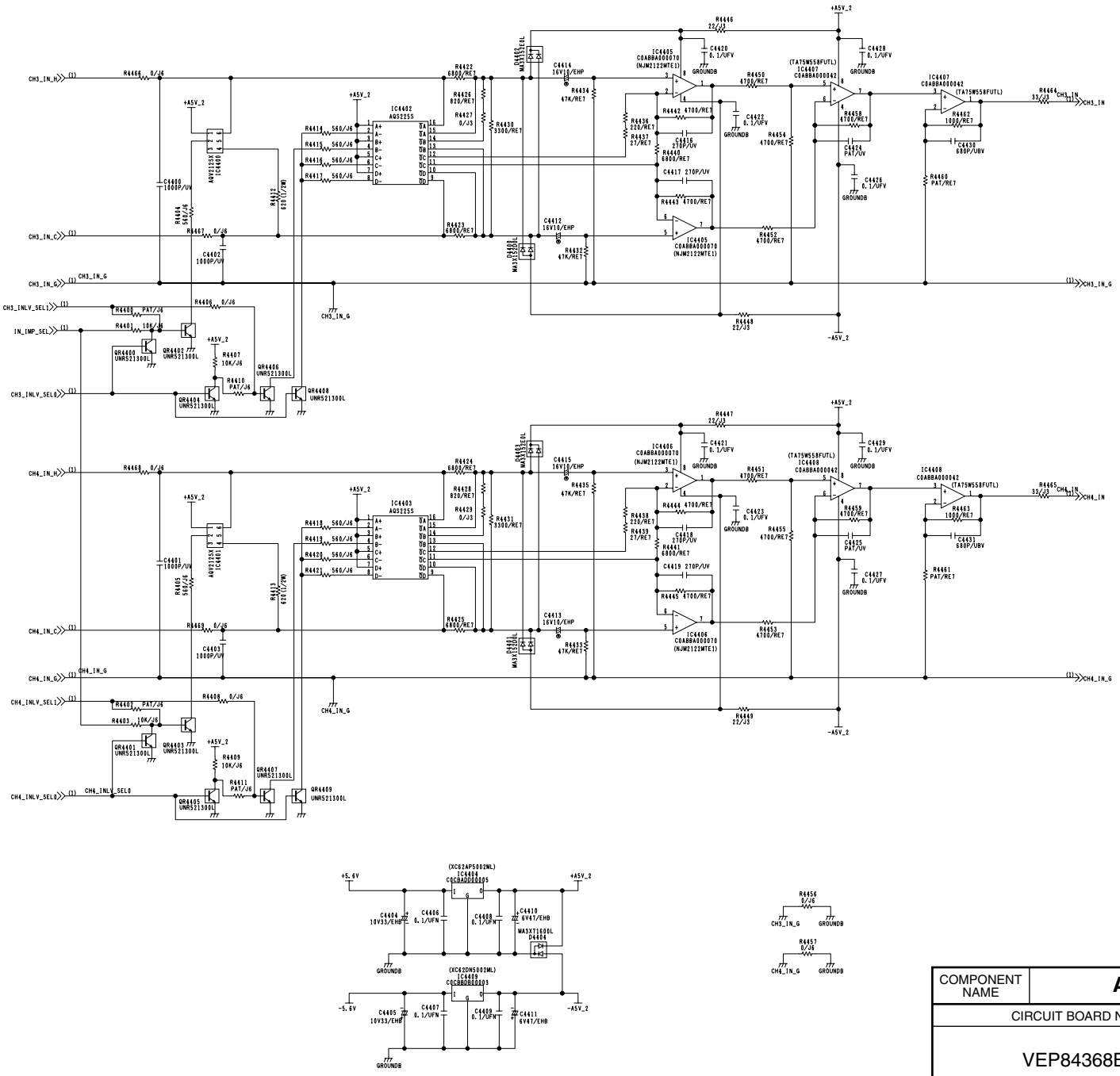
COMPONENT NAME	A_I/O(OUTPUT12)	02/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84368B		KR 4A0021(2/5)
		SCM060



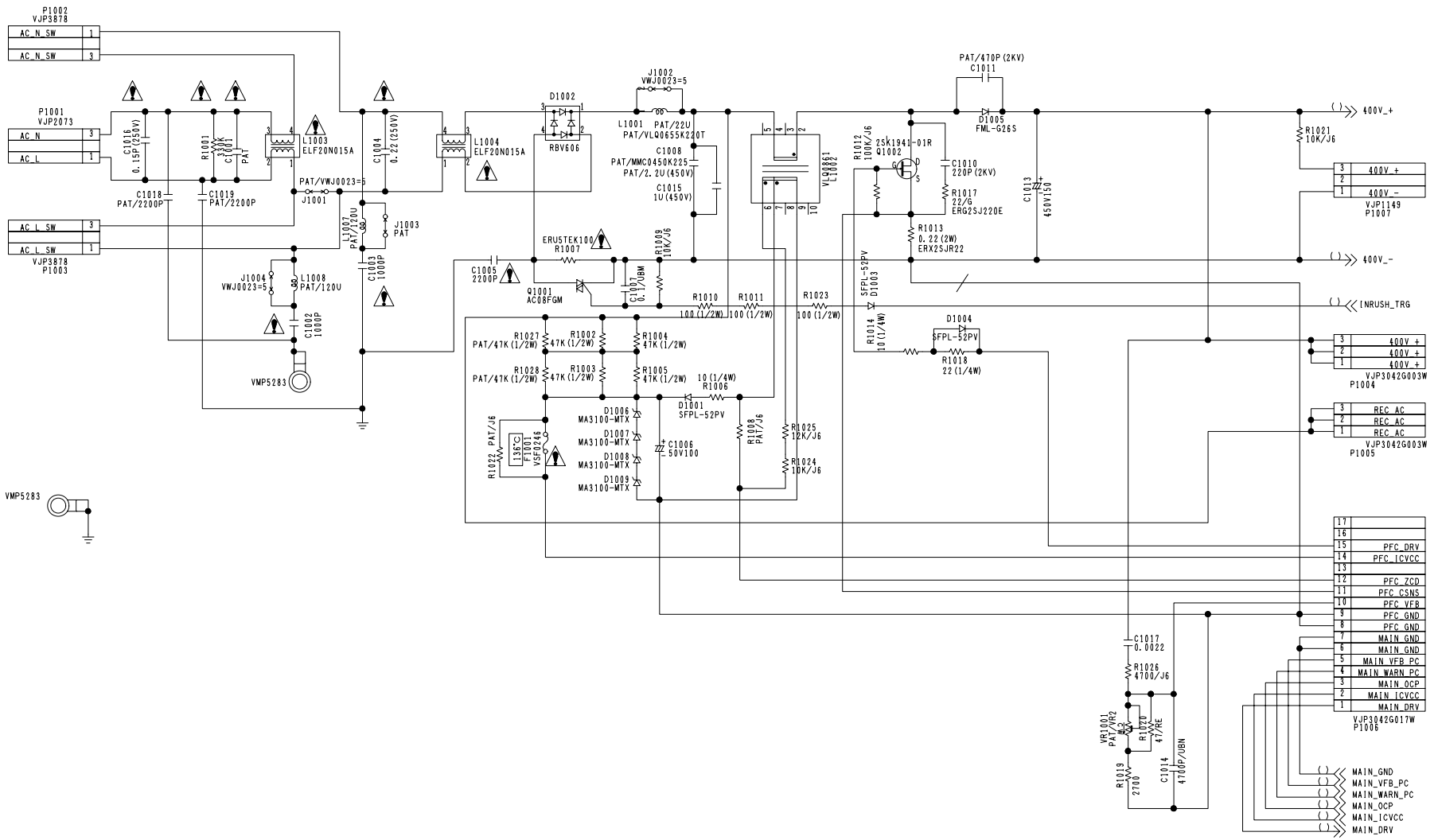
COMPONENT NAME	A_I/O(OUTPUT34)	03/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84368B		KR 4A0021(3/5)
		SCM061



COMPONENT NAME	A_I/O(INPUT12)	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84368B	KR 4A0021(4/5)	
	SCM062	



COMPONENT NAME	**A_I/O(INPUT34)**	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84368B	KR 4A0021(5/5)	
	SCM063	

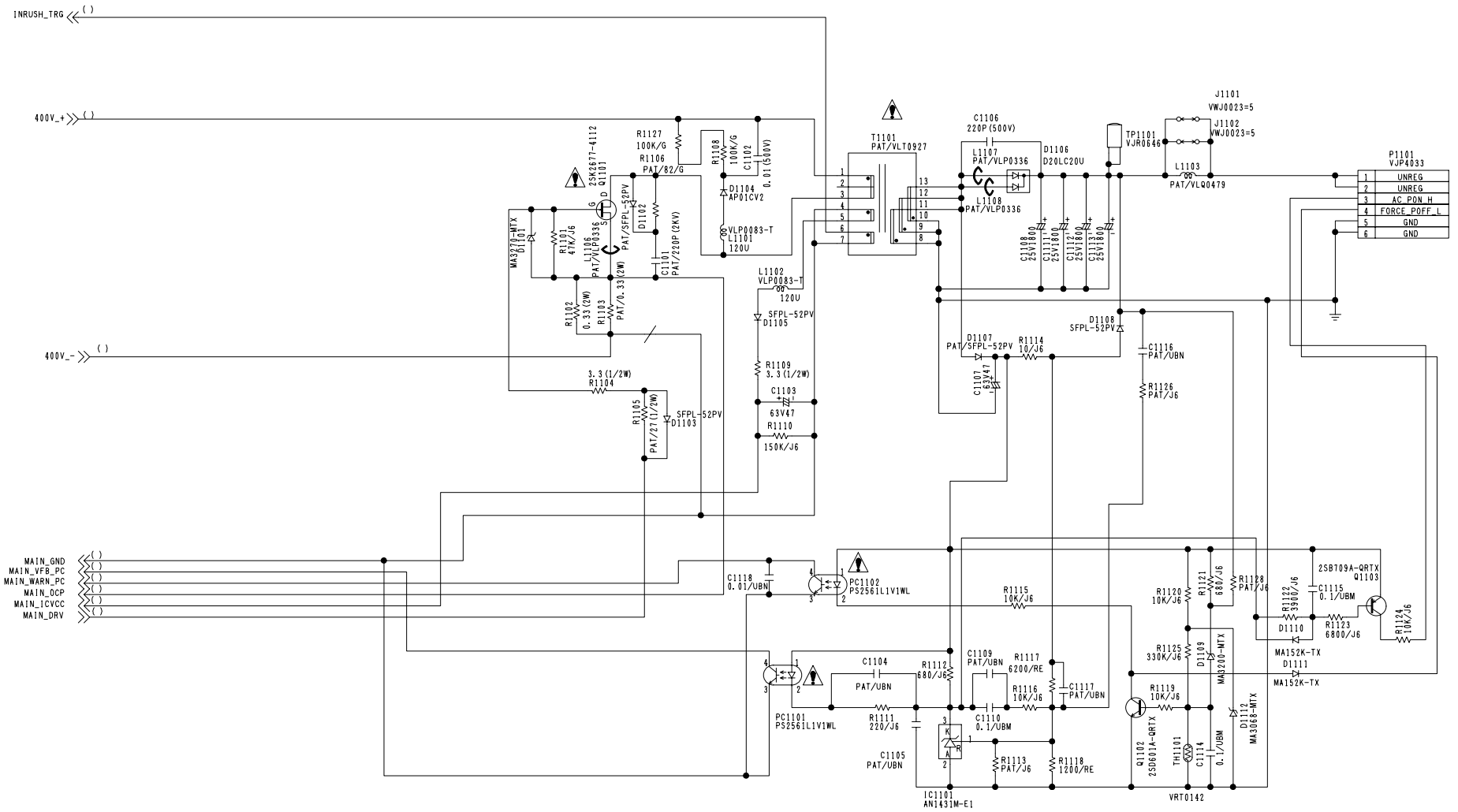


IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER1	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81203E		KR 1D27(1/2)
		SCM064

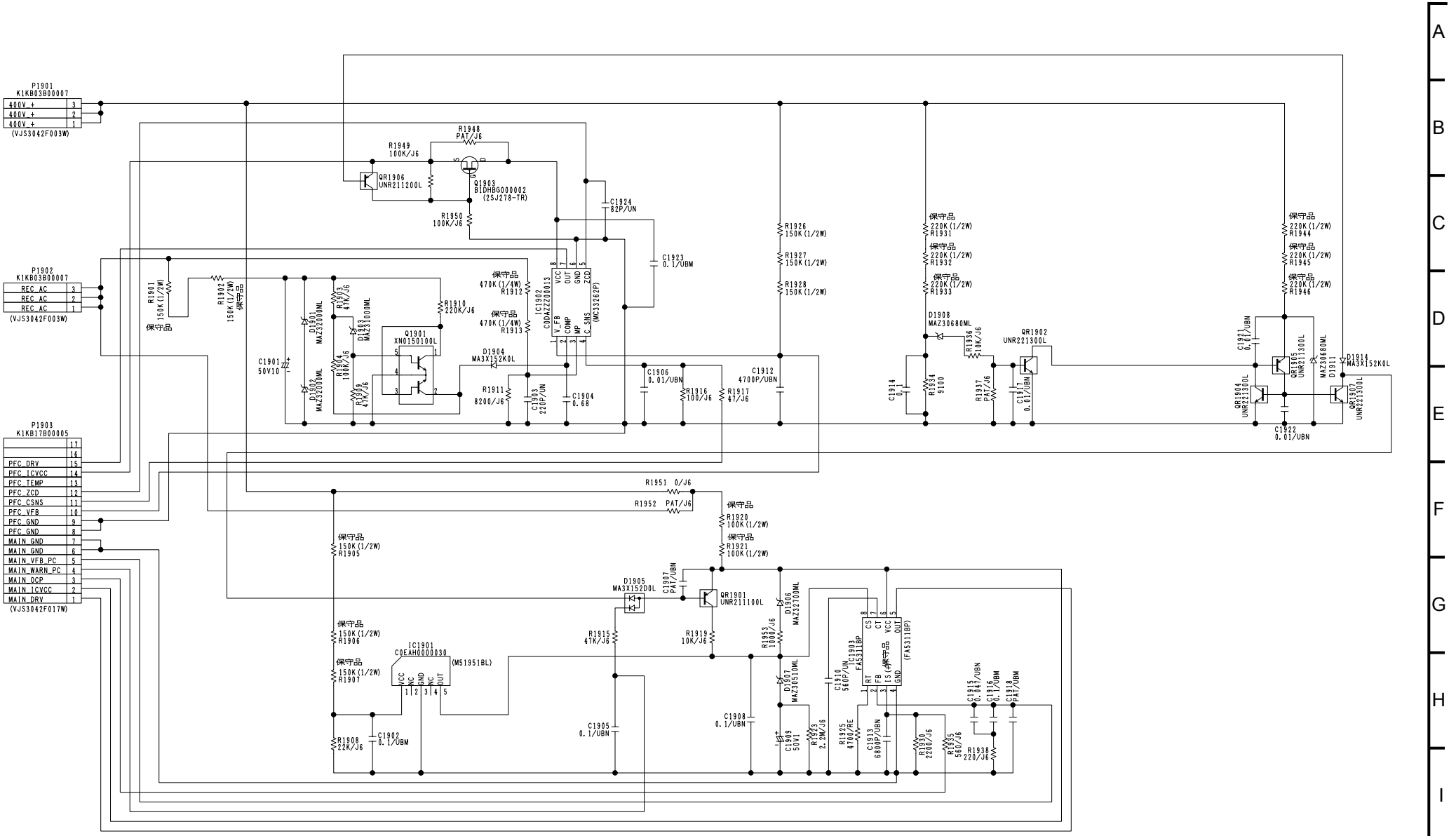


IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

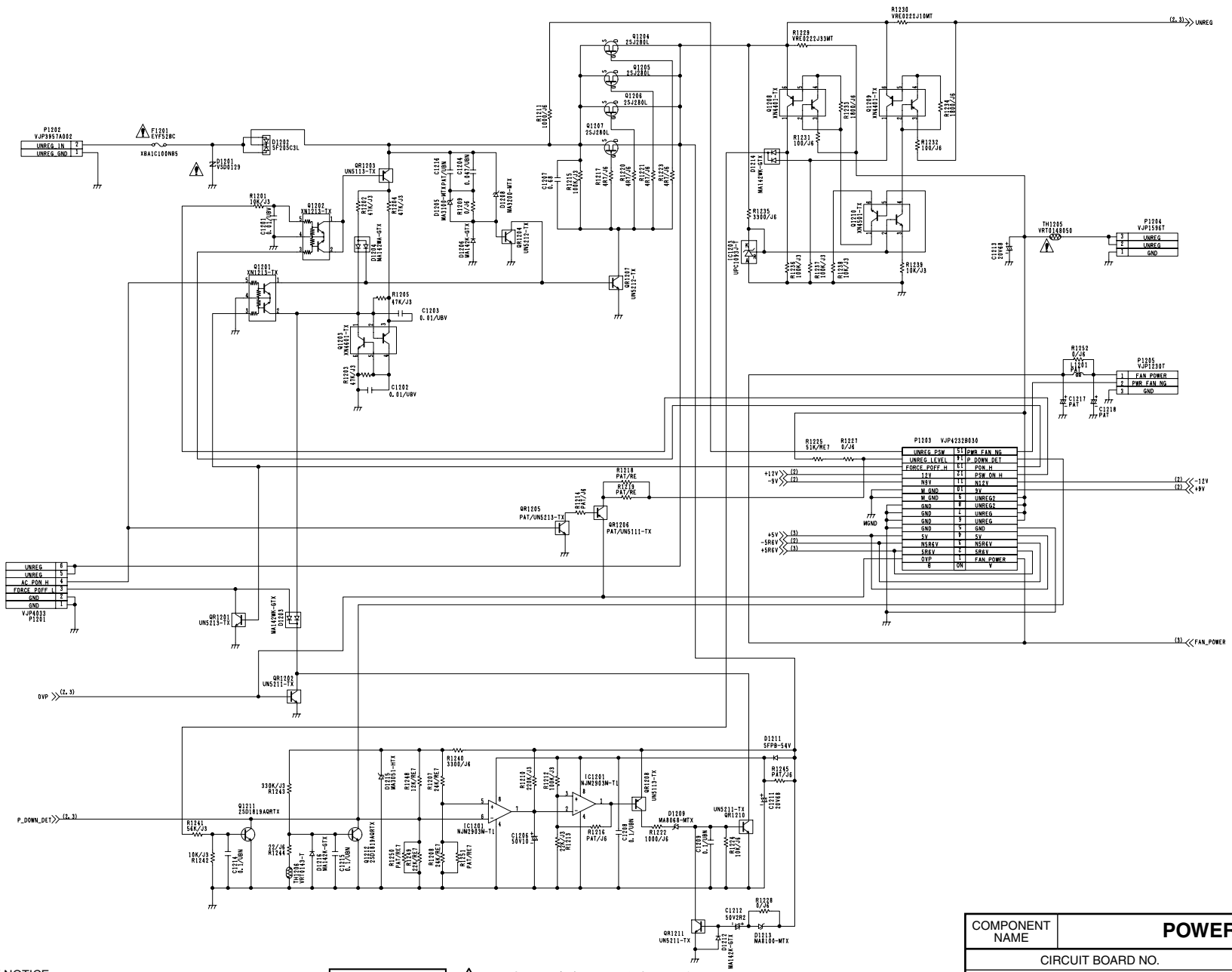
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER1	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81203E		KR 1D27(2/2)
		SCM065



COMPONENT NAME	SUB_POWER1(1/1)	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP81233A		KR 1A0015(1/1)
		SCM066



IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

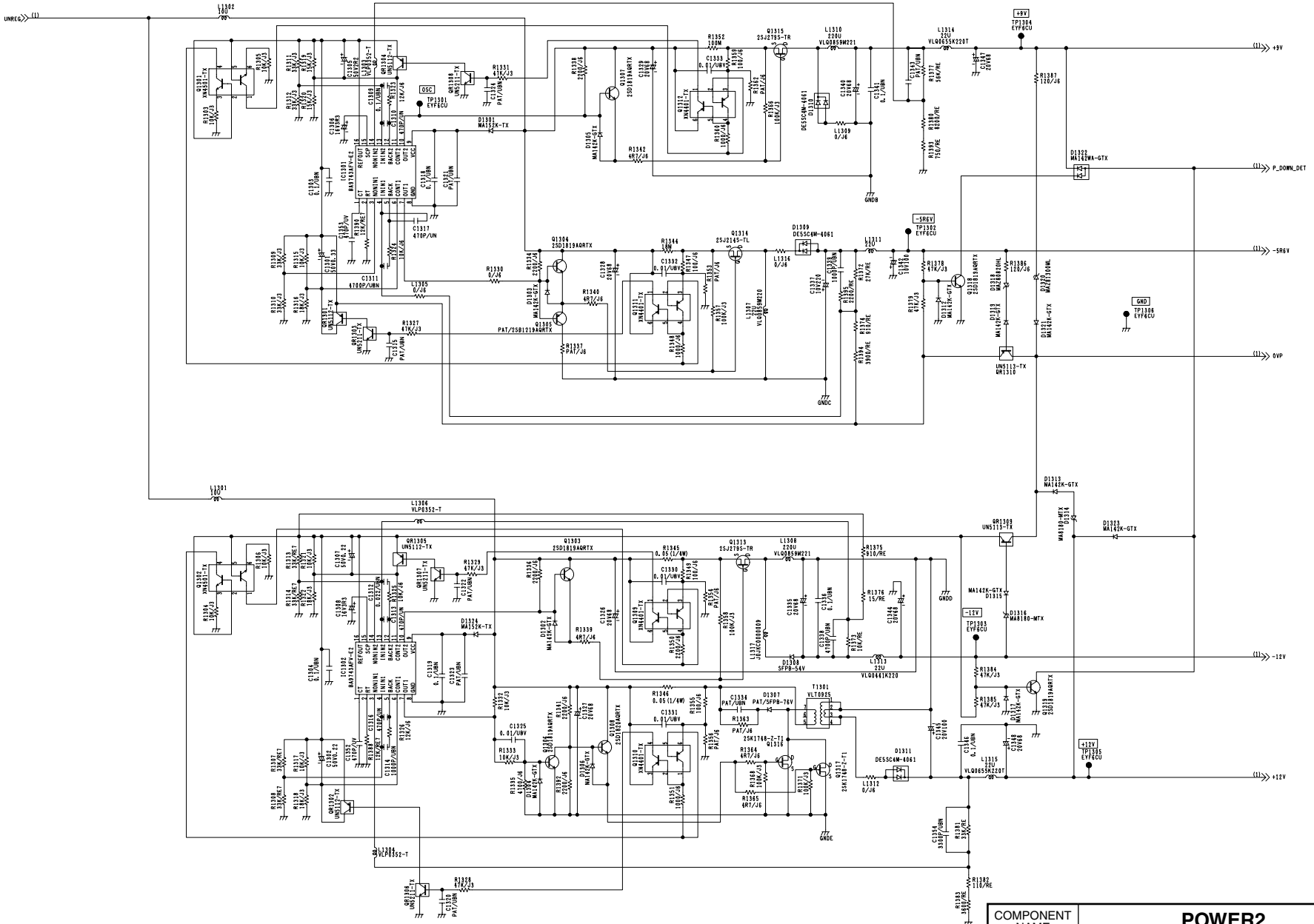
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER2	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(1/4)
		SCM067

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

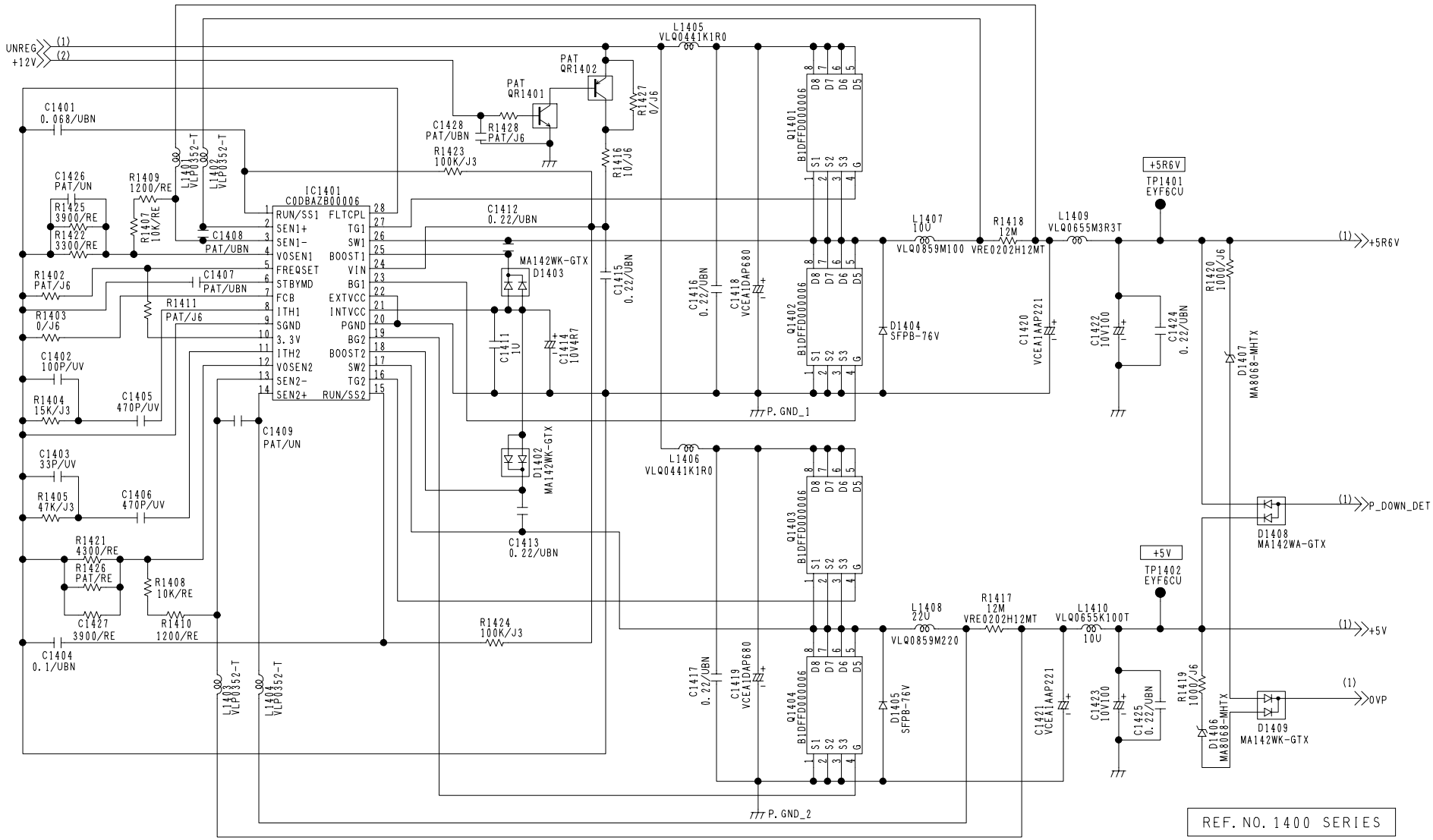


IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	**POWER2**	02/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(2/4)
		SCM068



P. GND_1
GNDA
P. GND_2

IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

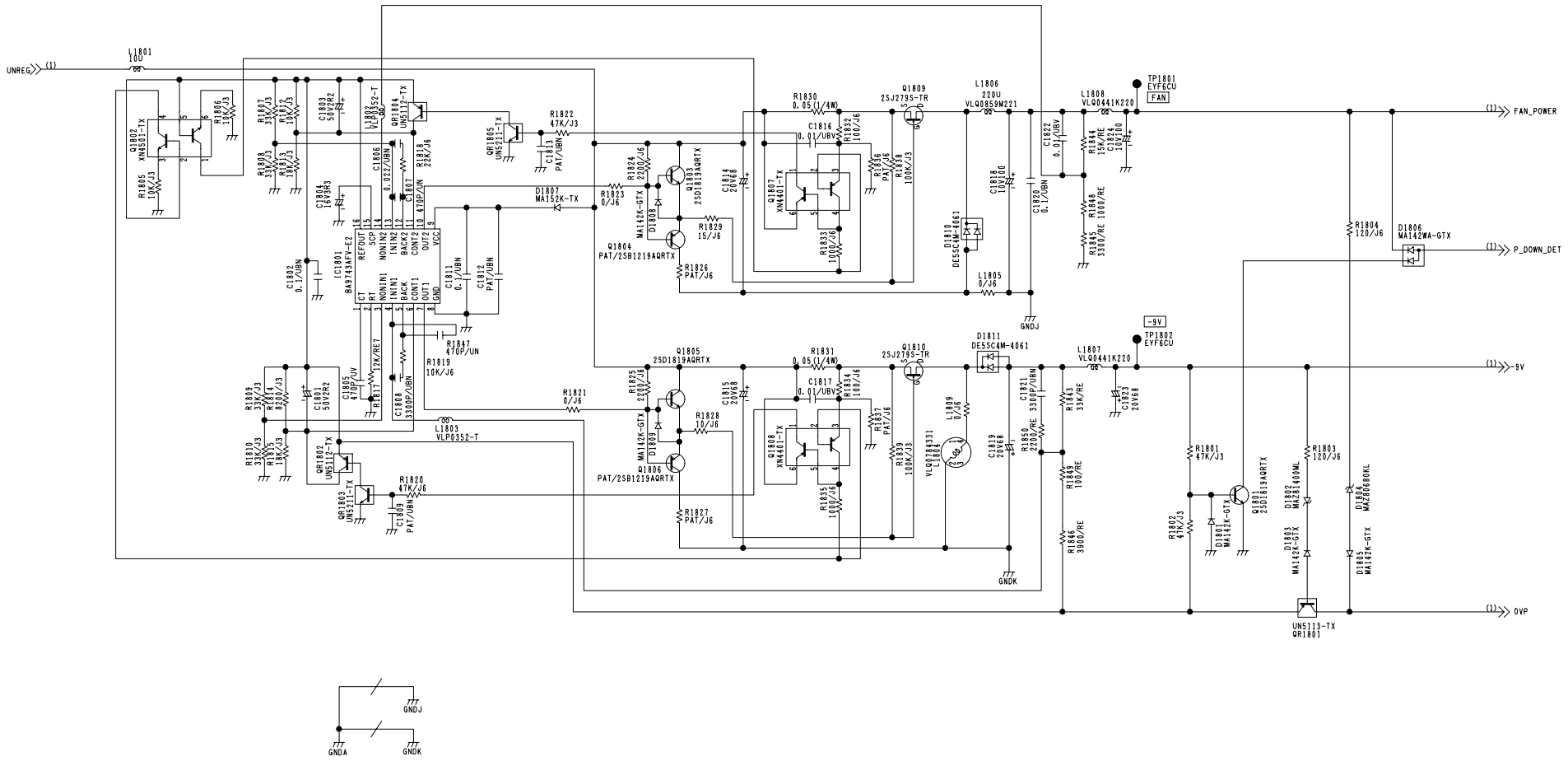
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER2	03/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(3/4)
		SCM069

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

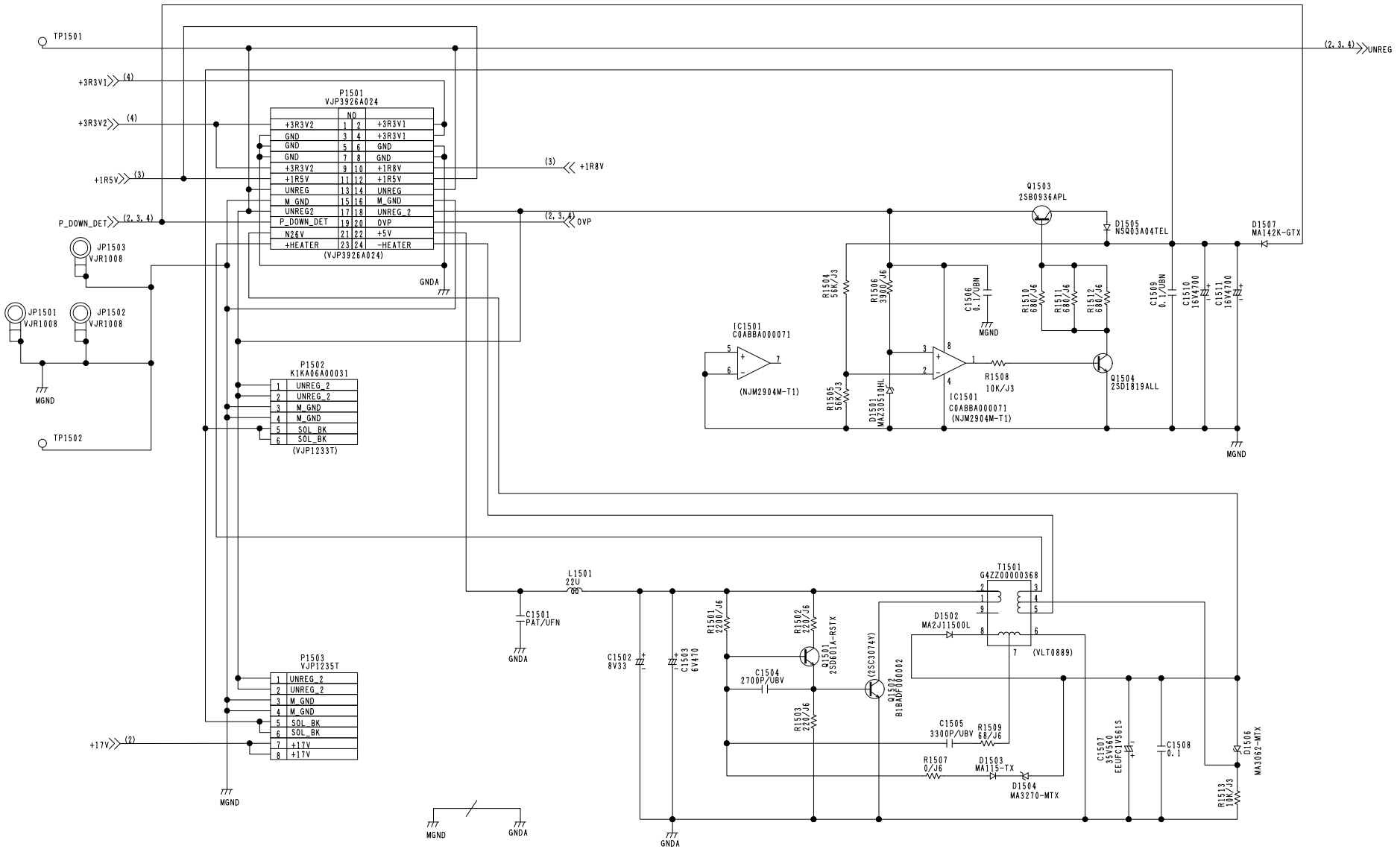


IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

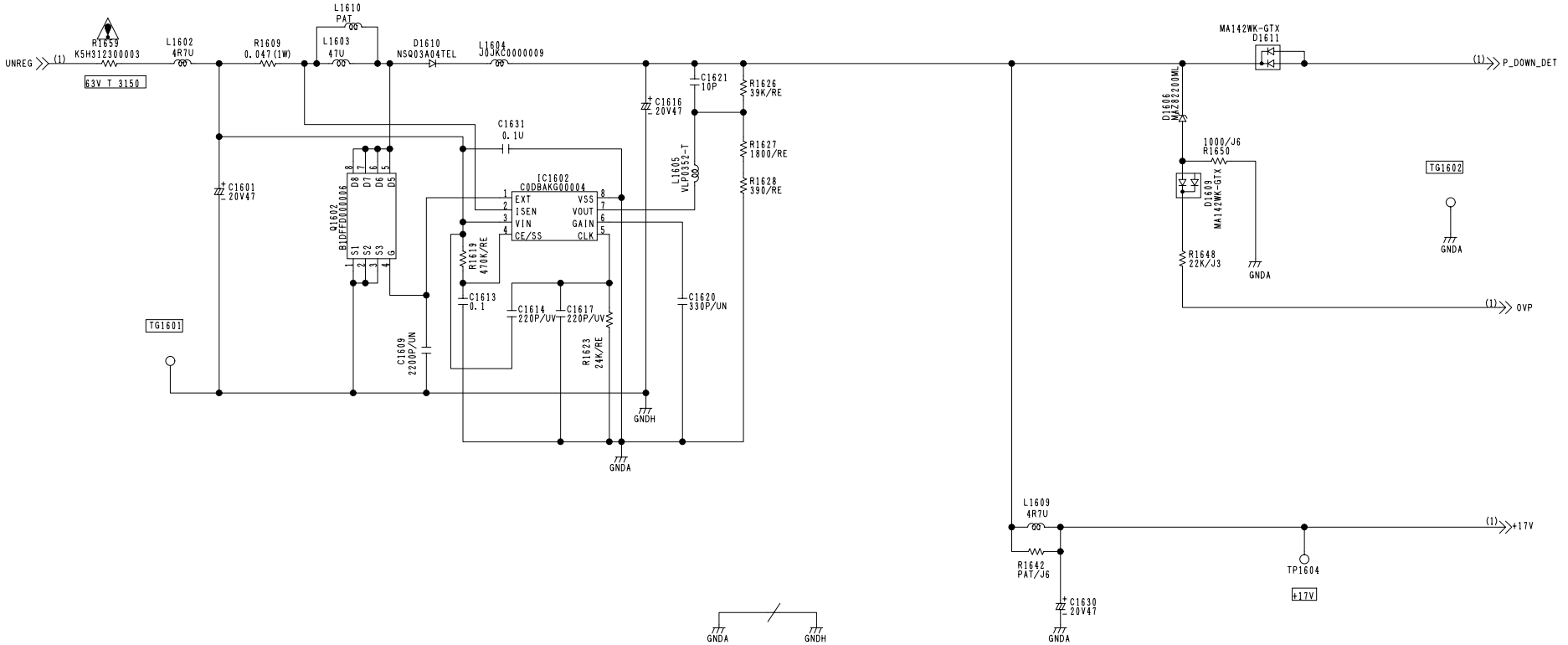
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER2	04/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(4/4)
		SCM070



COMPONENT NAME	POWER 3	01/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232B		KR 1A0081(1/4)
		SCM071



IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

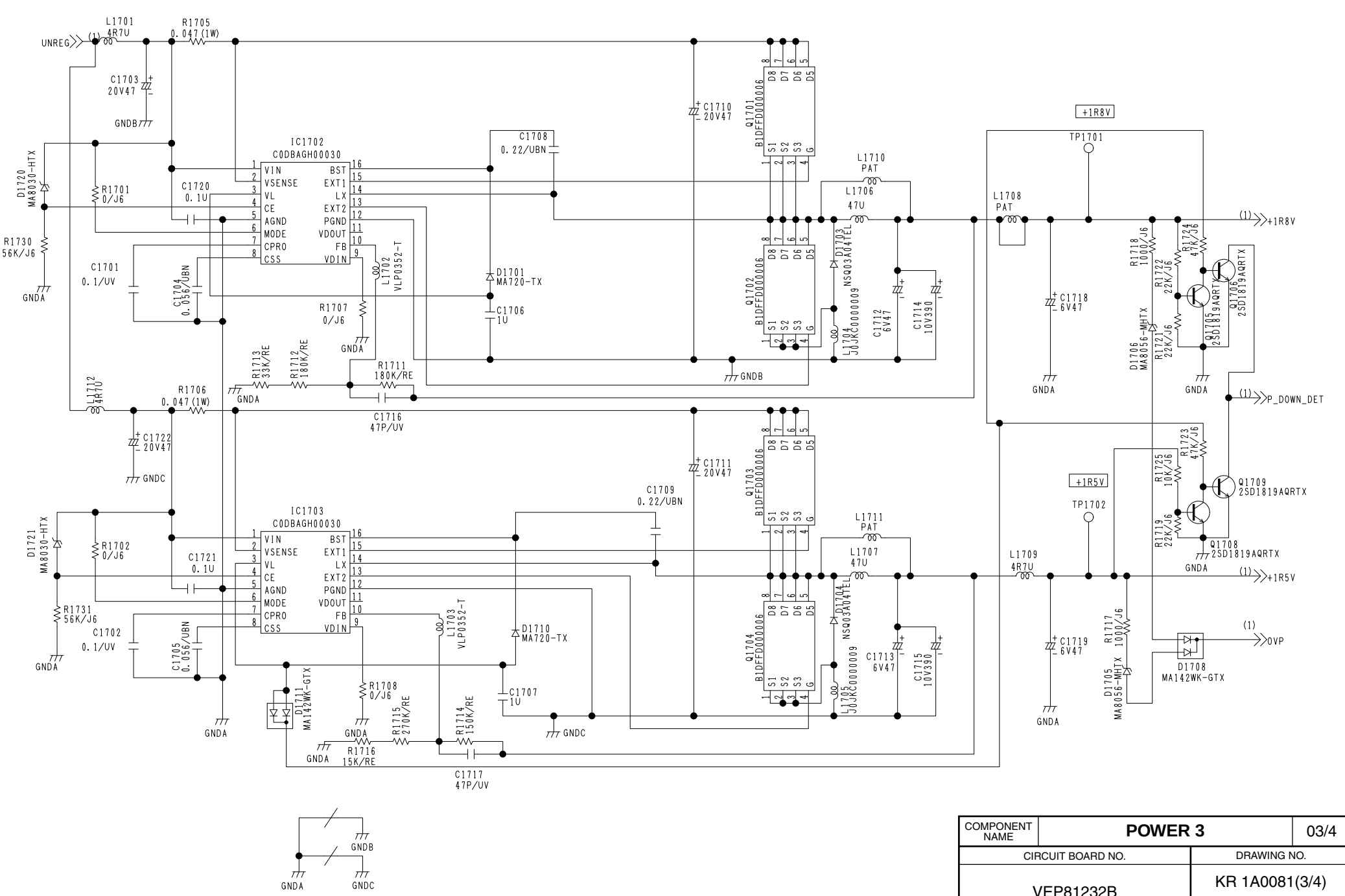
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

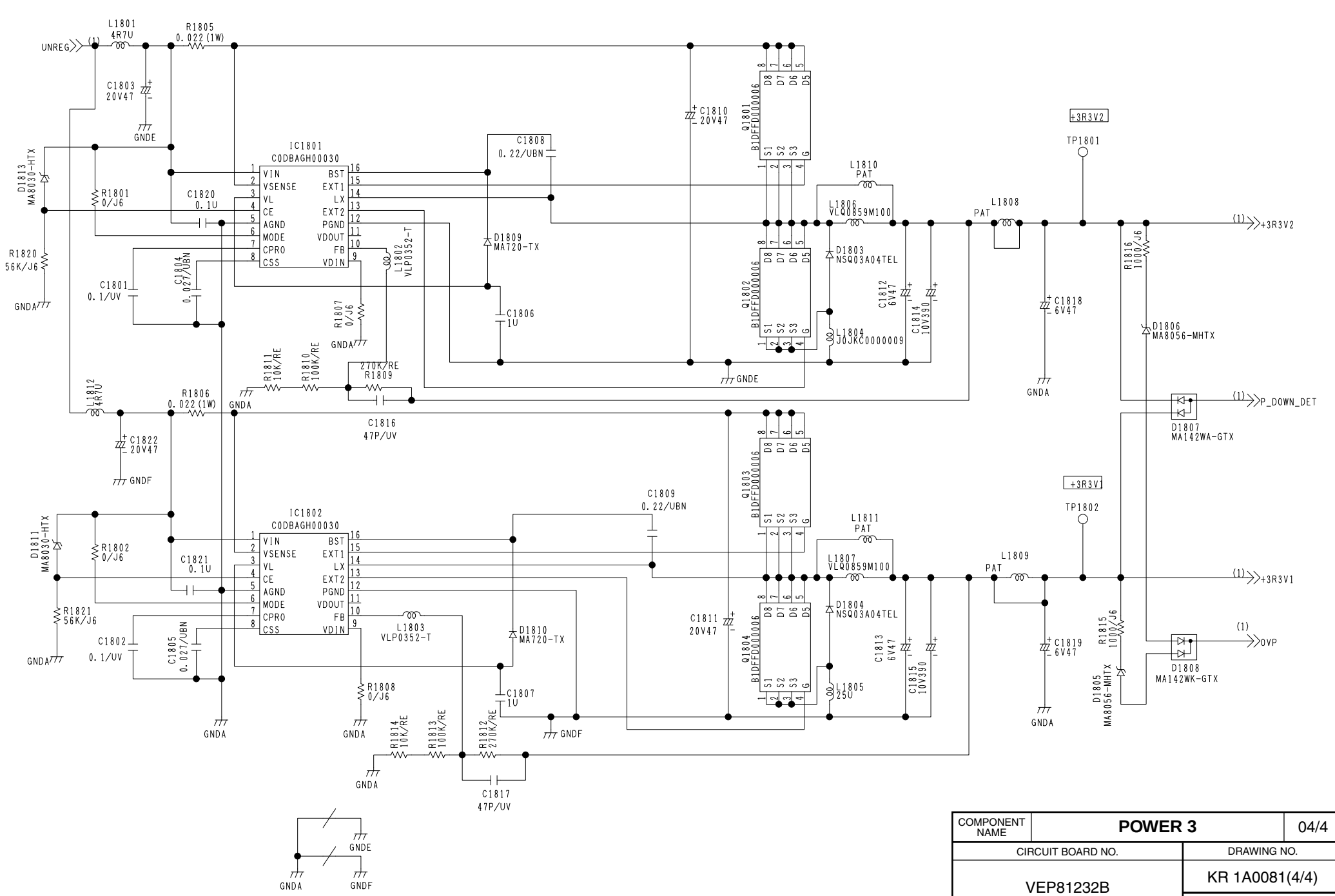
COMPONENT NAME	POWER3	2/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232A		KR 1A0014(2/4)
		SCM072

A B C D E F G H I J

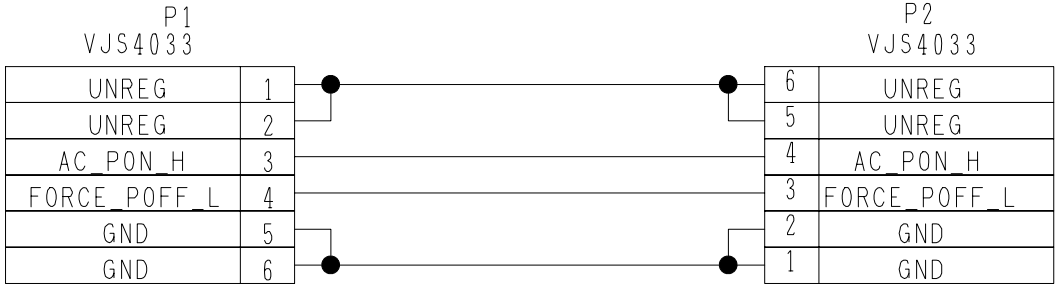
1 2 3 4 5 6 7 8 9 10 11 12 13 14



COMPONENT NAME	POWER 3	03/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232B		KR 1A0081(3/4)
		SCM073



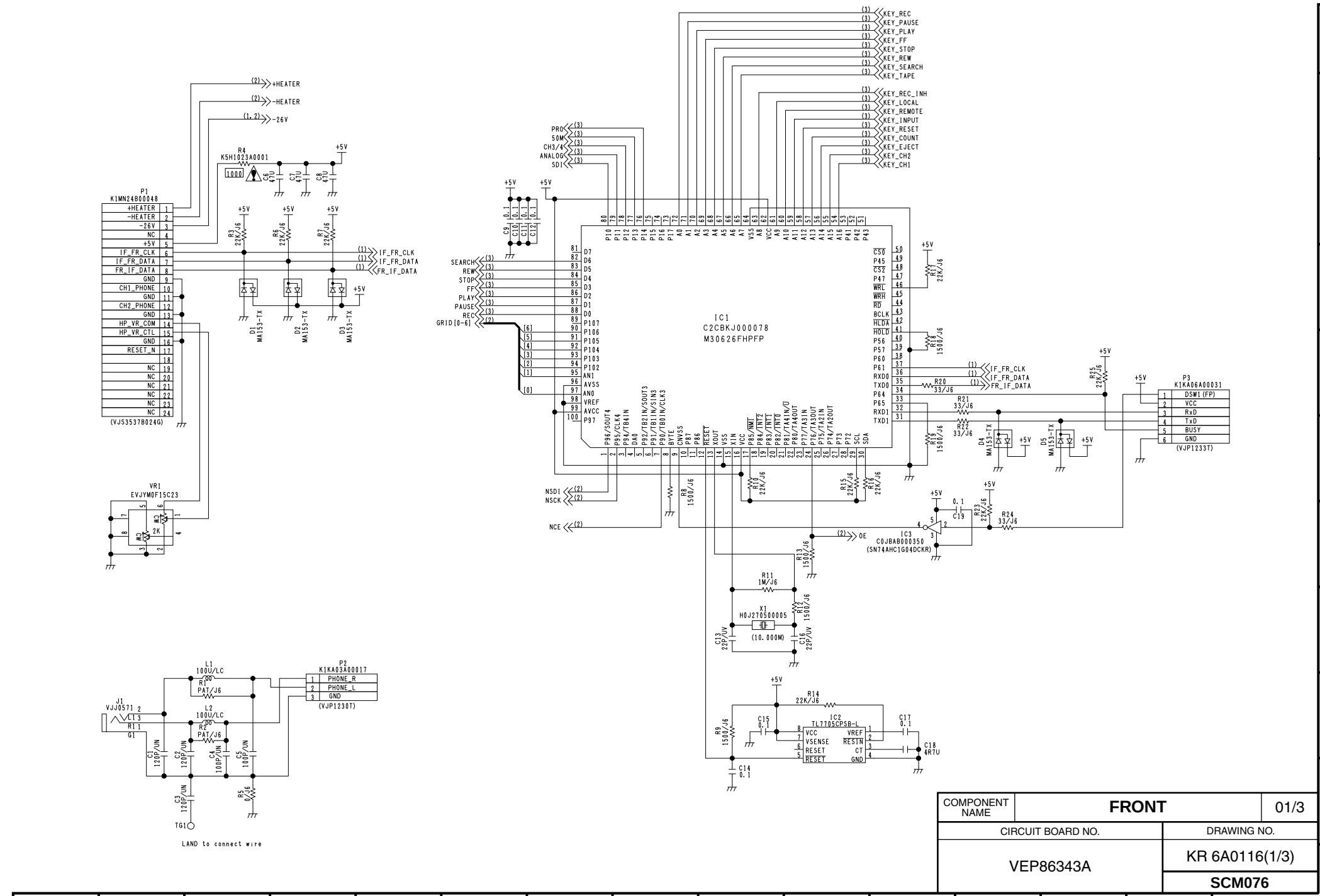
COMPONENT NAME	POWER 3	04/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232B		KR 1A0081(4/4)
		SCM074



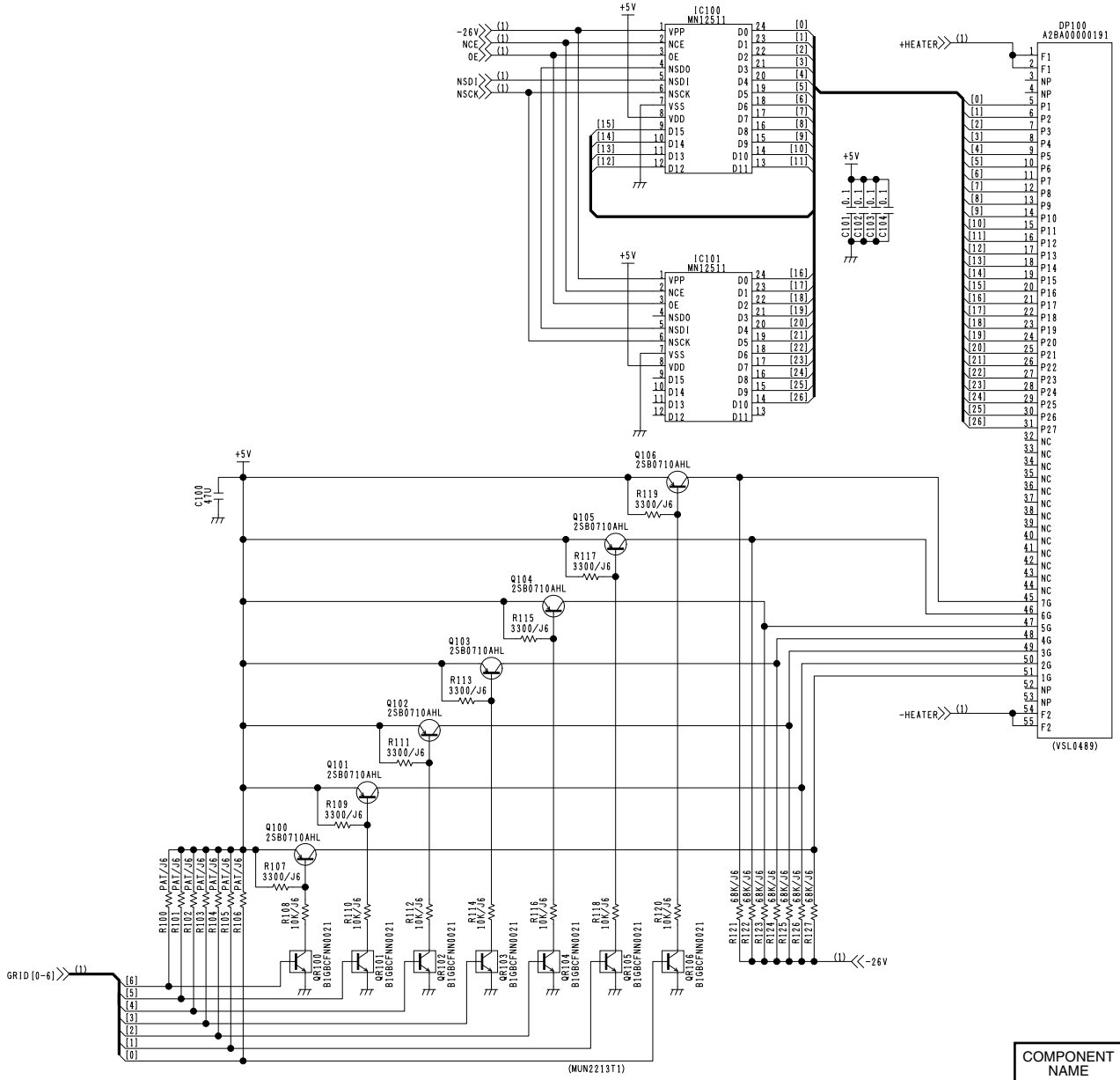
COMPONENT NAME	POWER CONNECT	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP80A88A		(1/1)
		SCM075

A B C D E F G H I J

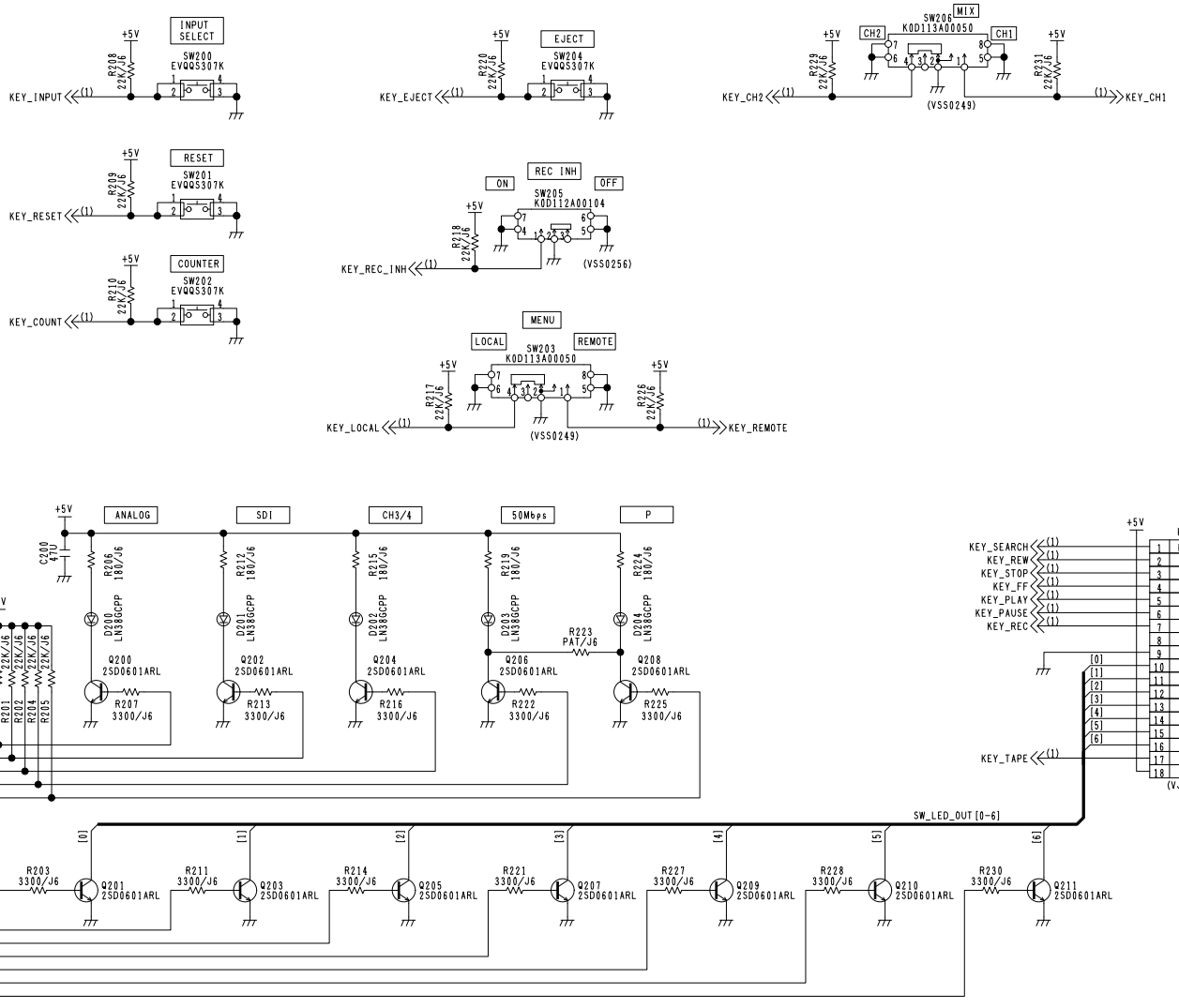
1 2 3 4 5 6 7 8 9 10 11 12 13 14



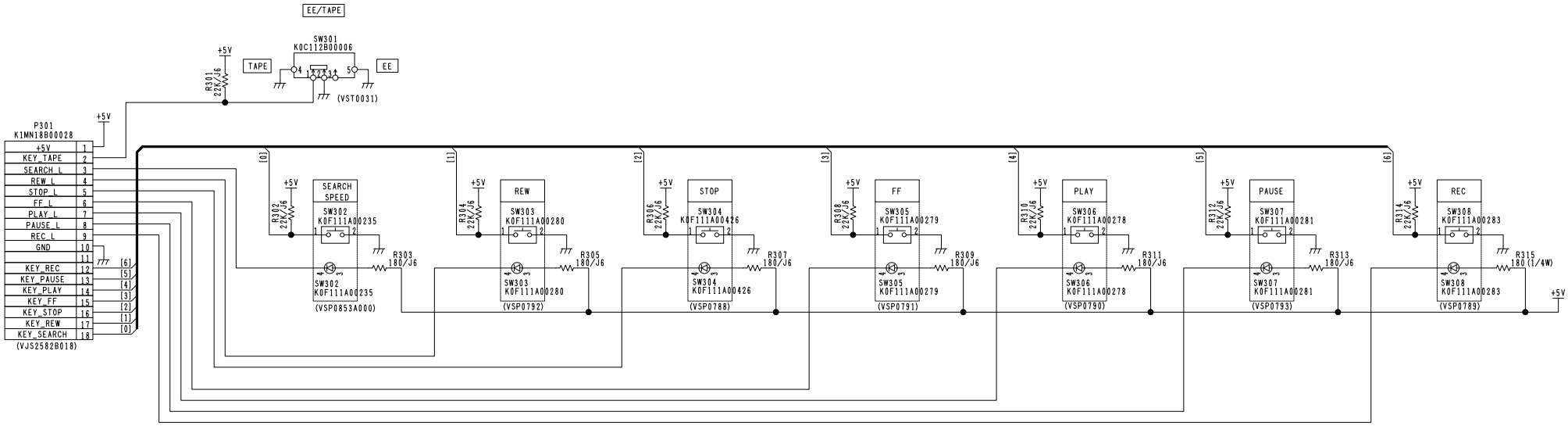
COMPONENT NAME	FRONT	01/3
CIRCUIT BOARD NO.		DRAWING NO.
VEP86343A		KR 6A0116(1/3)
		SCM076



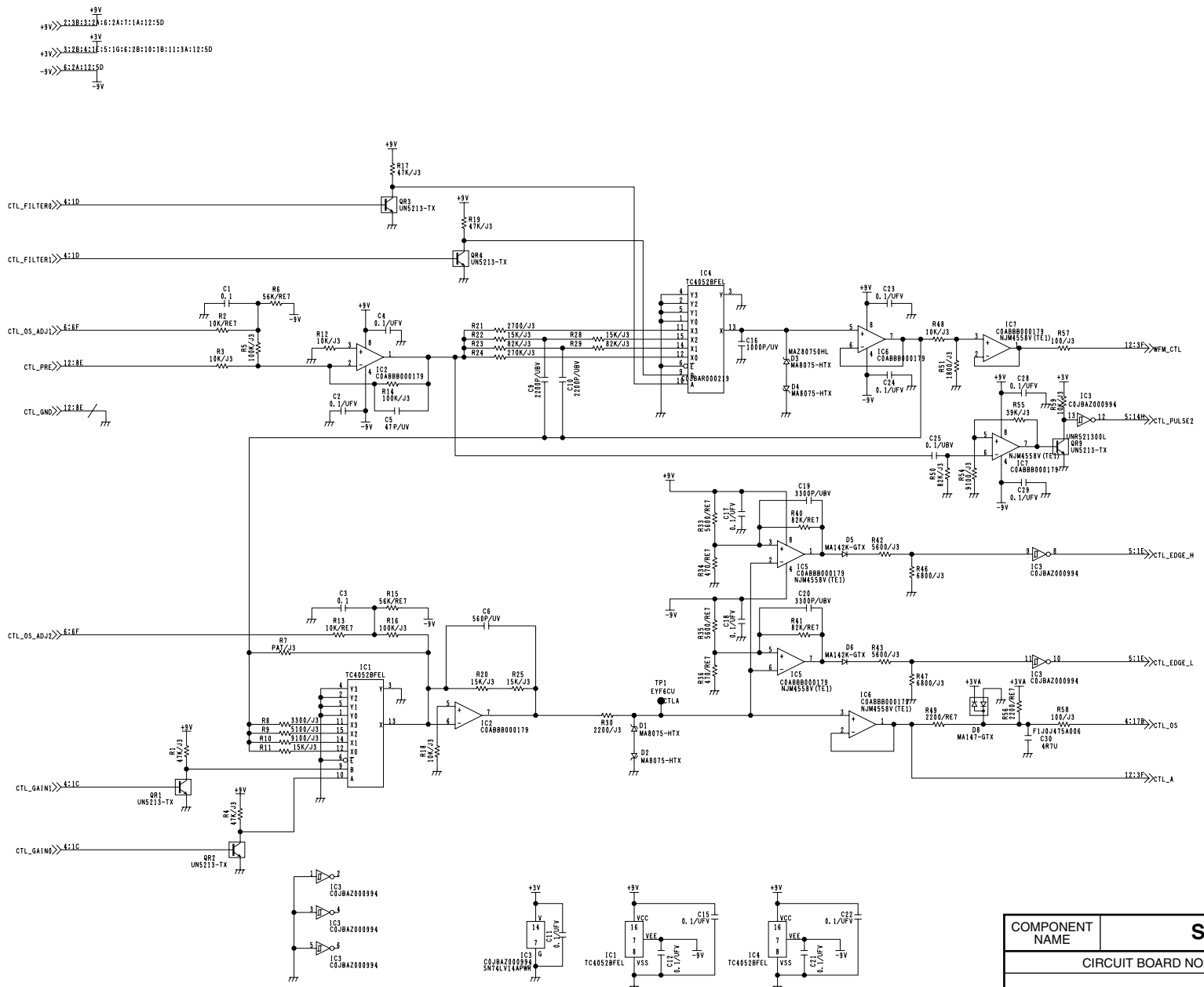
COMPONENT NAME	FRONT	02/3
CIRCUIT BOARD NO.		DRAWING NO.
VEP86343A		KR 6A0116(2/3)
		SCM077



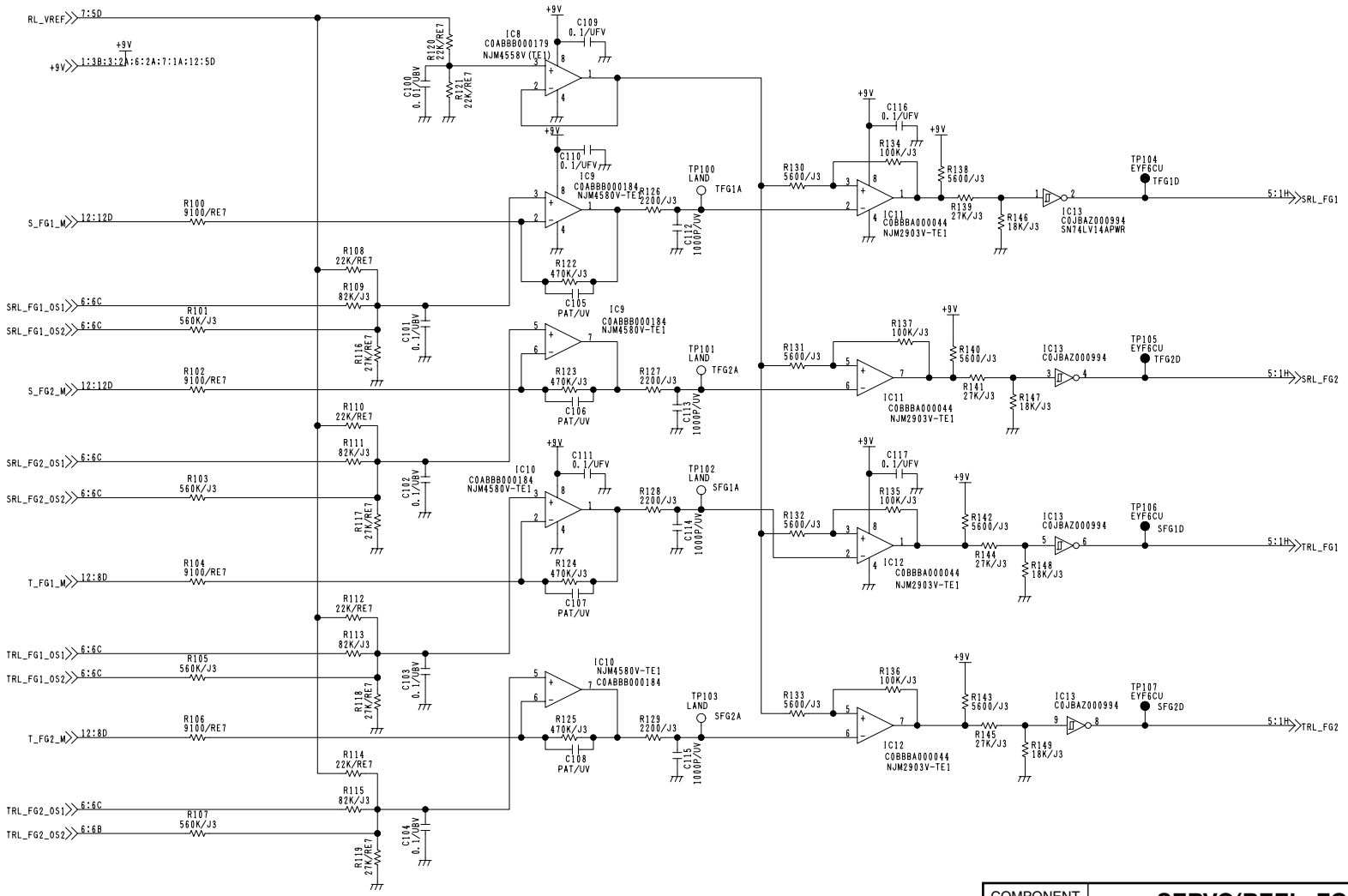
COMPONENT NAME	FRONT	03/3
CIRCUIT BOARD NO.		DRAWING NO.
VEP86343A		KR 6A0116(3/3)
		SCM078



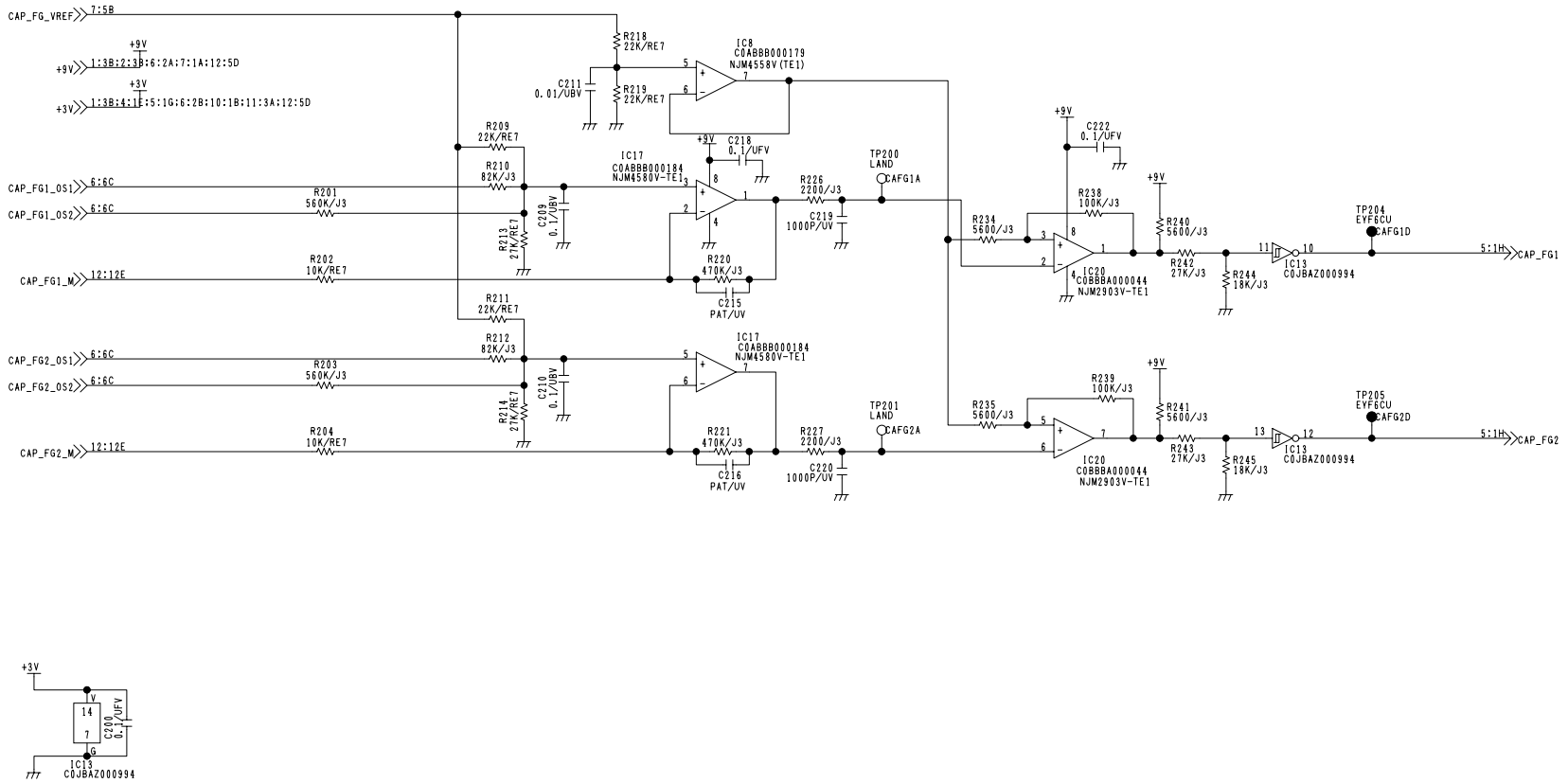
COMPONENT NAME	FRONT KEY	01/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP86344A		KR 6A0117(1/1)
		SCM079



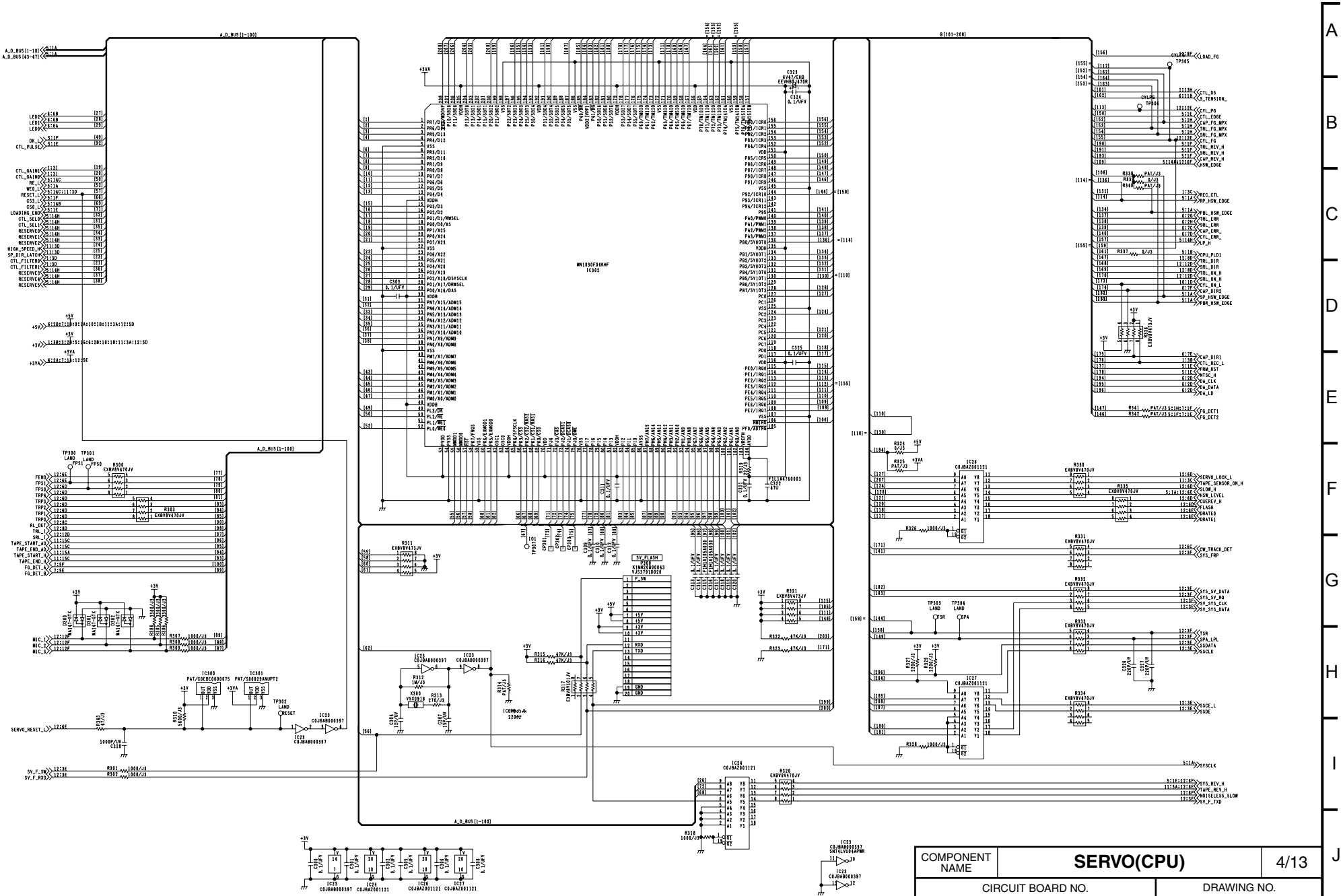
COMPONENT NAME	**SERVO(CTL)**	1/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(1/13)
		SCM080



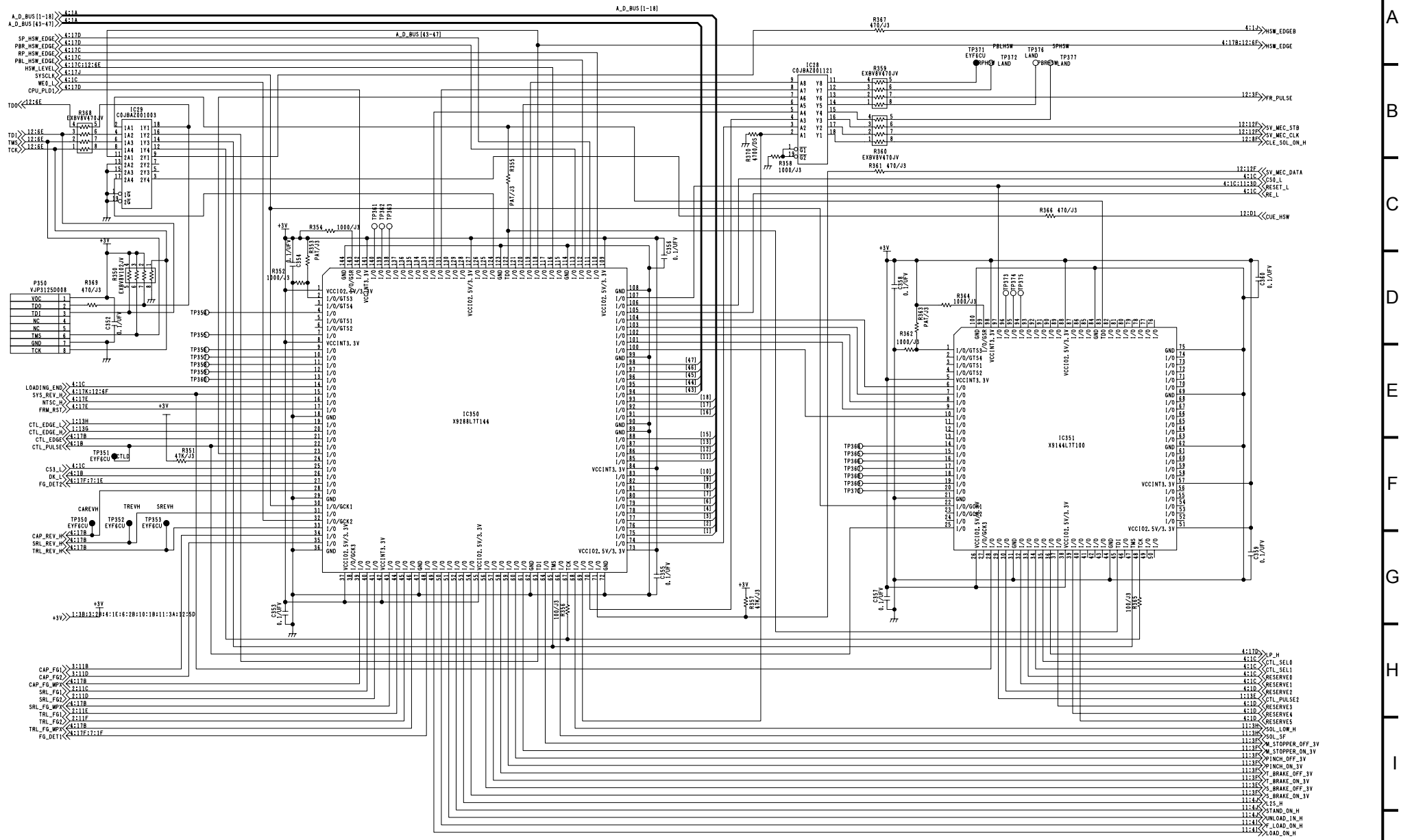
COMPONENT NAME	**SERVO(REEL_FG)**	2/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(2/13)
		SCM081



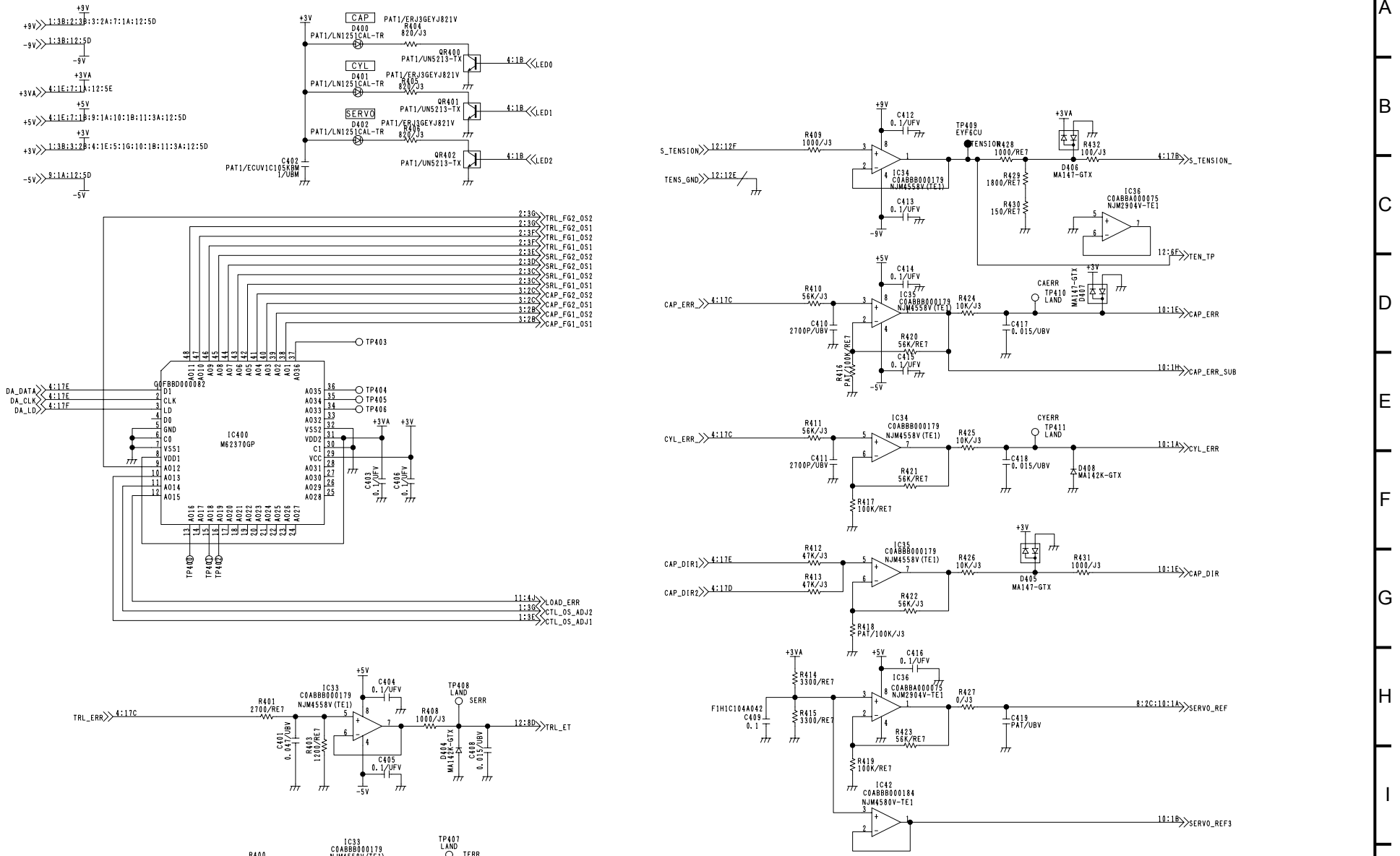
COMPONENT NAME	**SERVO(CA_CY_FG)**	3/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(3/13)
		SCM082



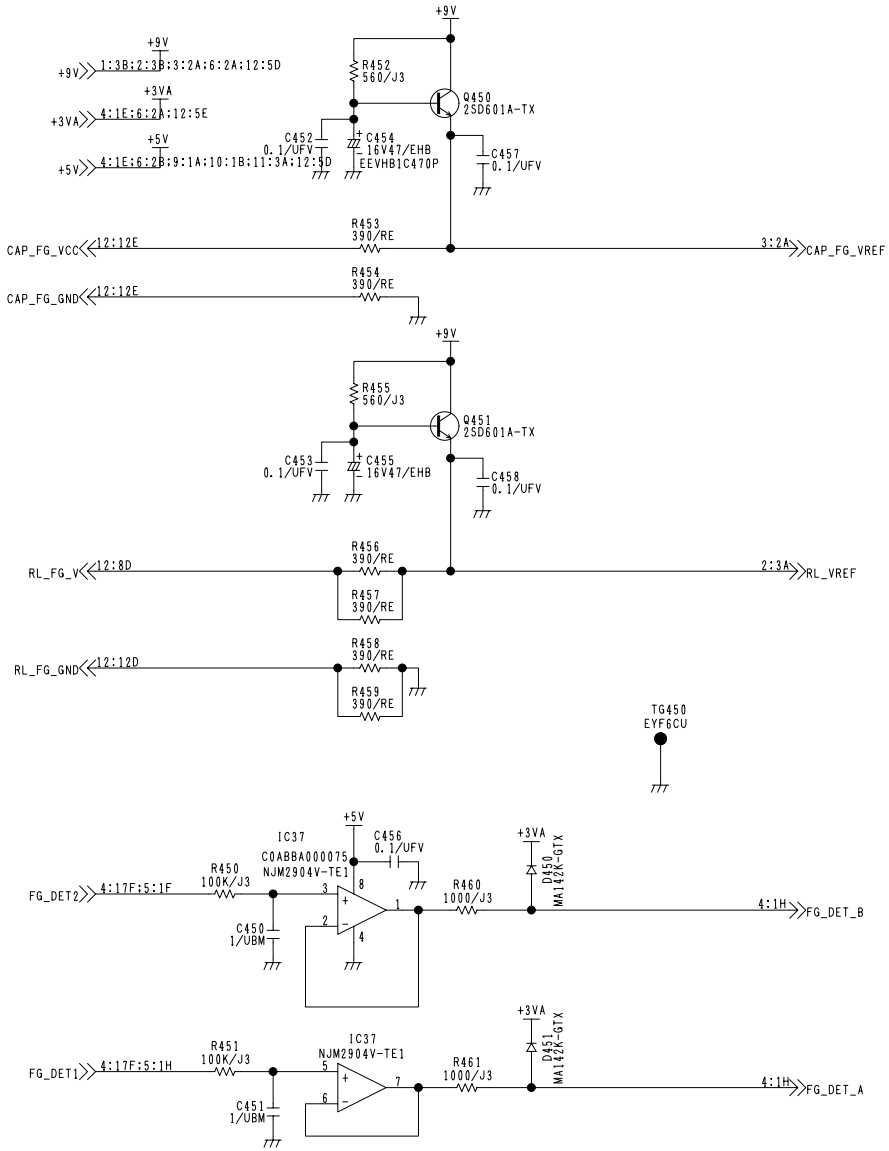
COMPONENT NAME	SERVO(CPU)	4/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(4/13)
		SCM083



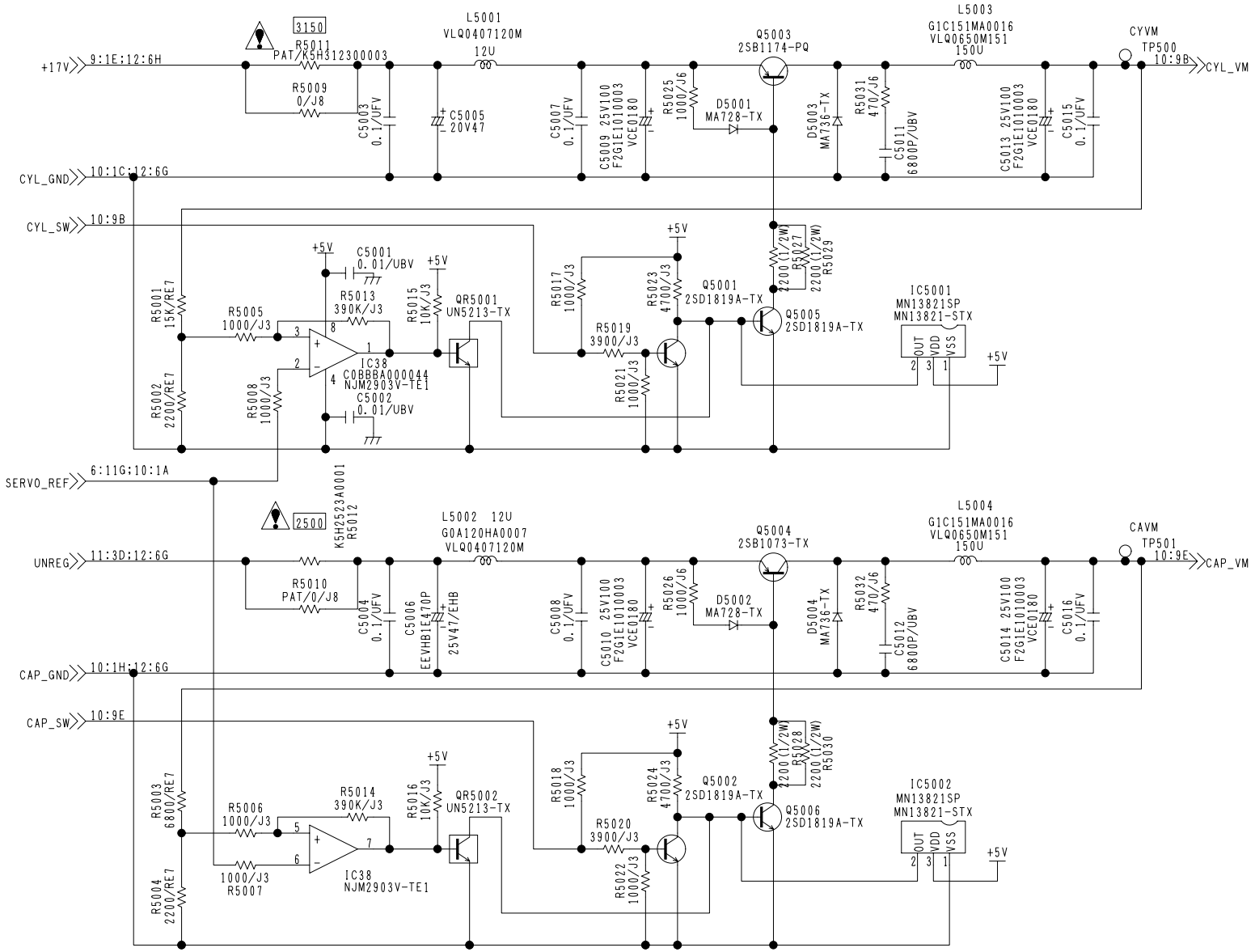
COMPONENT NAME	**SERVO(PLD)**	5/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82249B	KR 2A0004-1(5/13)	
	SCM084	



COMPONENT NAME	**SERVO(CPU_IF)**	6/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(6/13)
		SCM085



COMPONENT NAME	**SERVO(POWER)**	7/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(7/13)
		SCM086



IMPORTANT SAFETY NOTICE:
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When replacing any of these components, use only the same type.

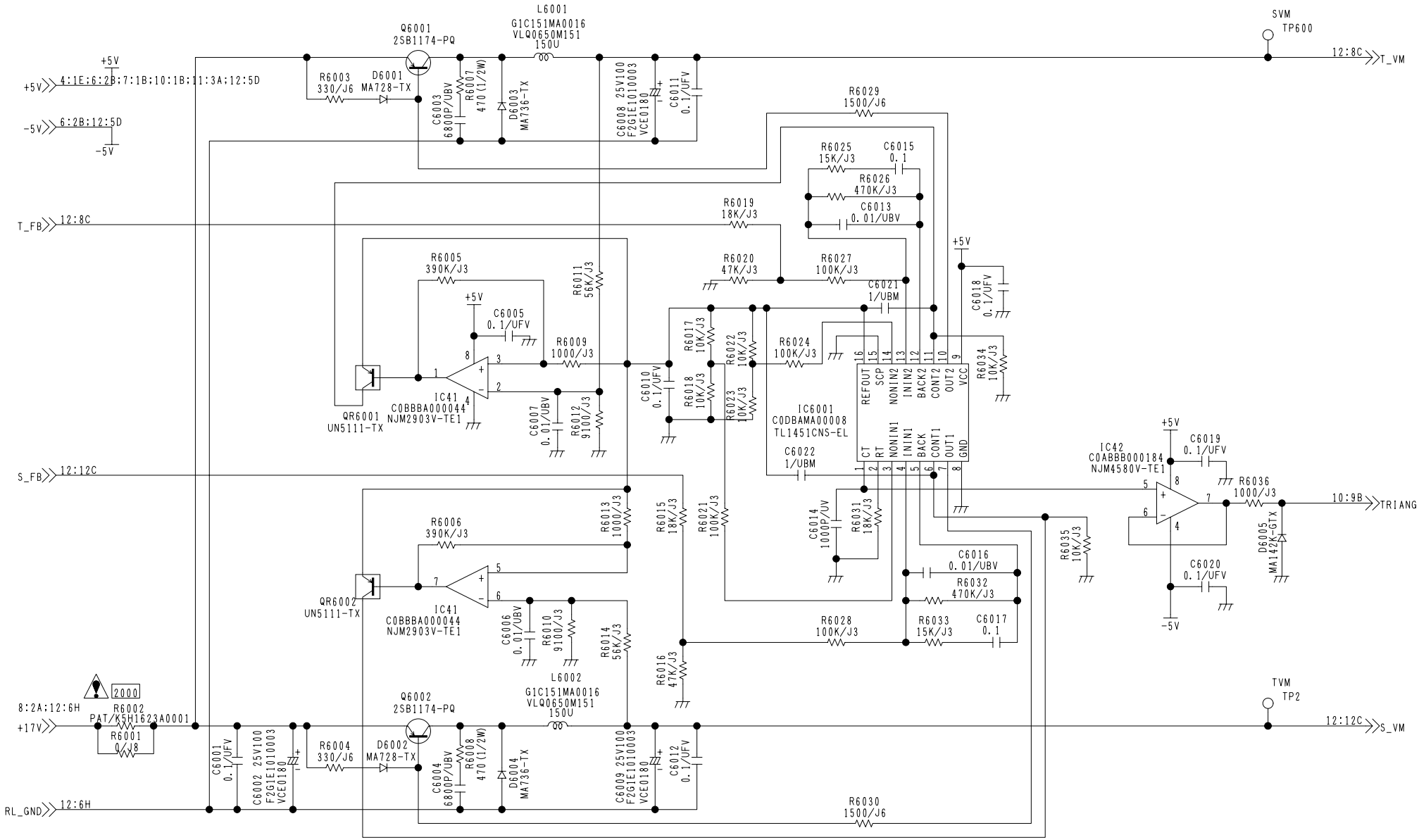
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
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必ず指定の部品をご使用ください。

COMPONENT NAME	SERVO(SW2)	8/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(8/13)
		SCM087

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14



IMPORTANT SAFETY NOTICE:
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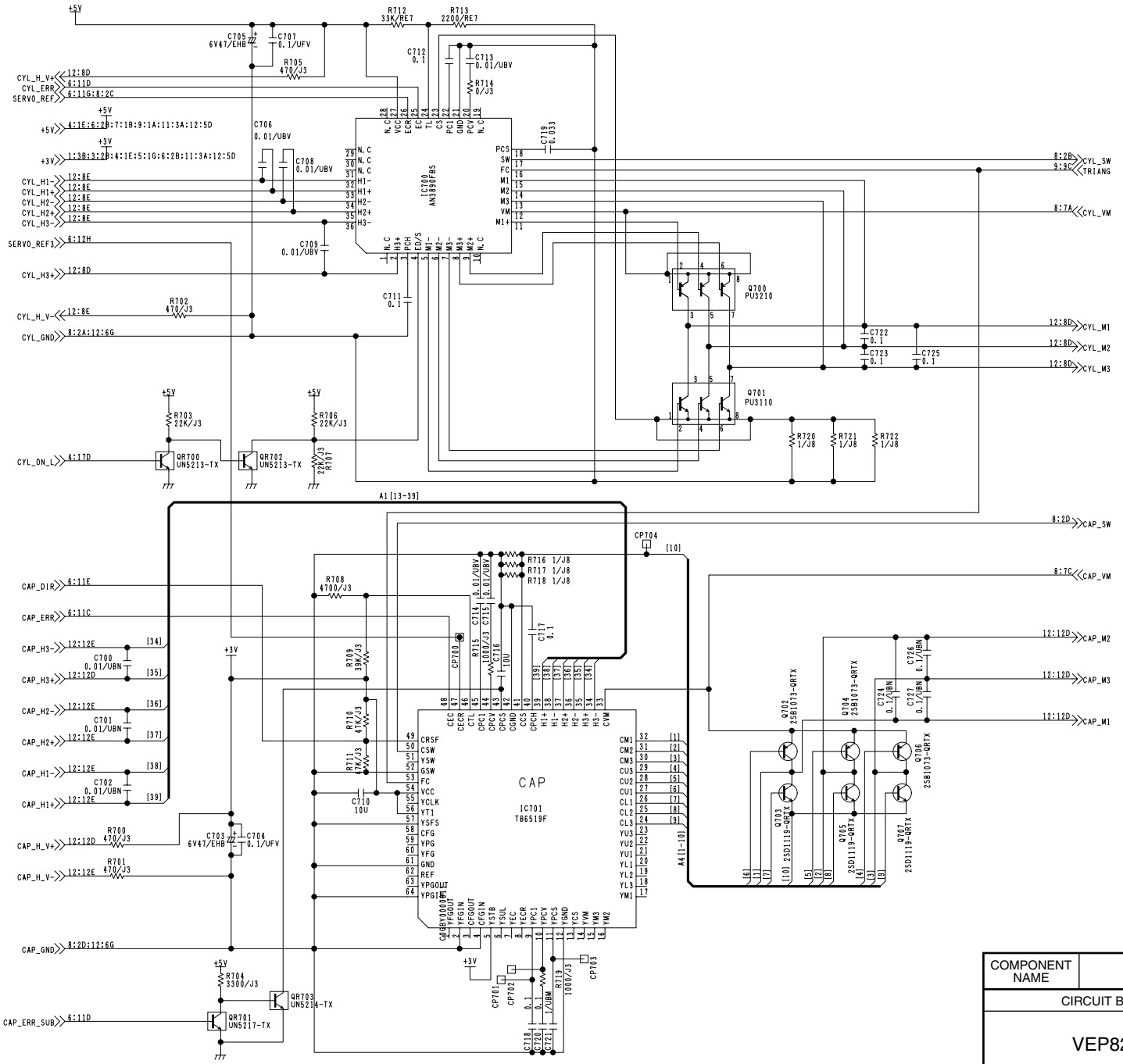
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
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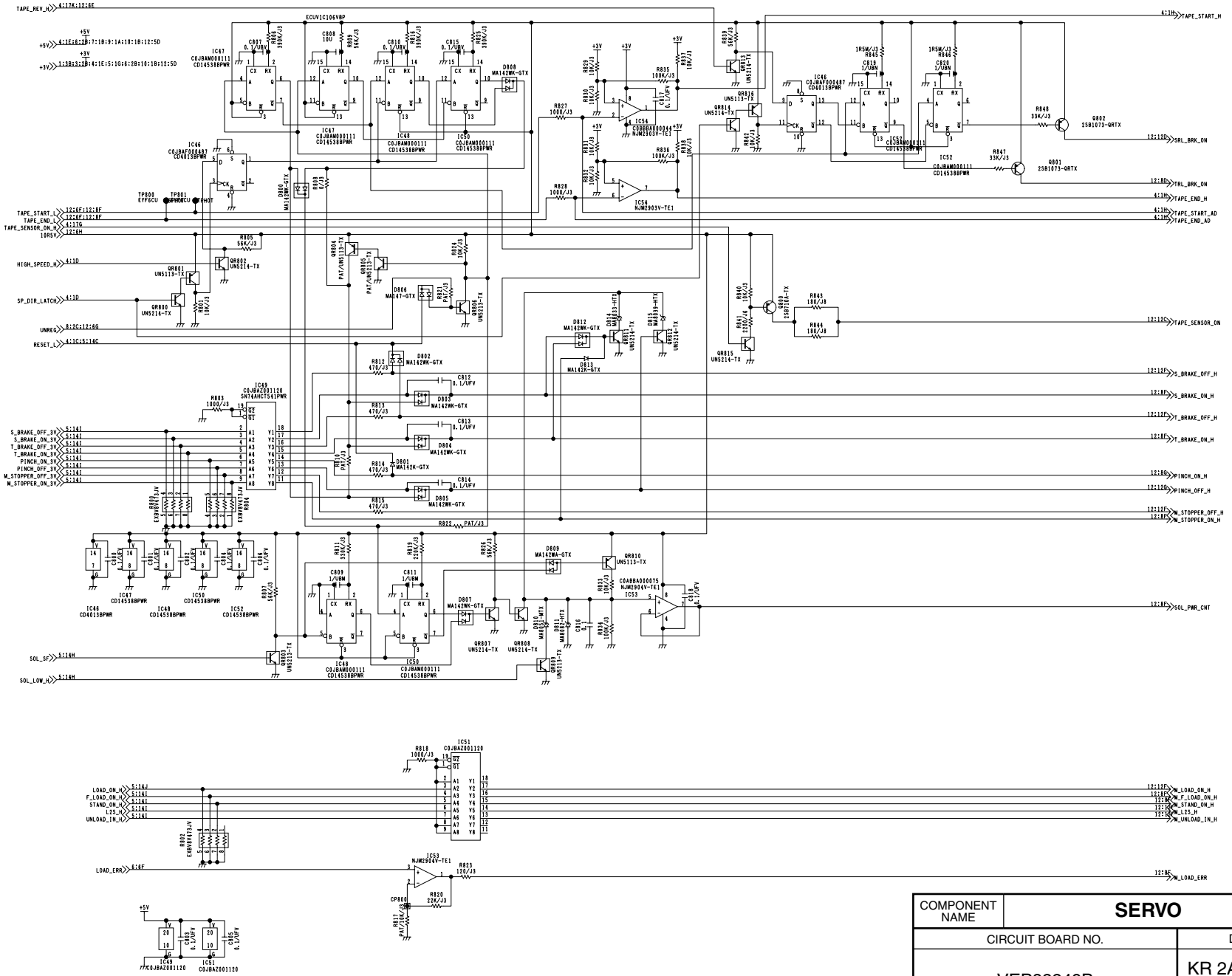
COMPONENT NAME	SERVO(SW1)	9/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(9/13)
		SCM088

A B C D E F G H I J

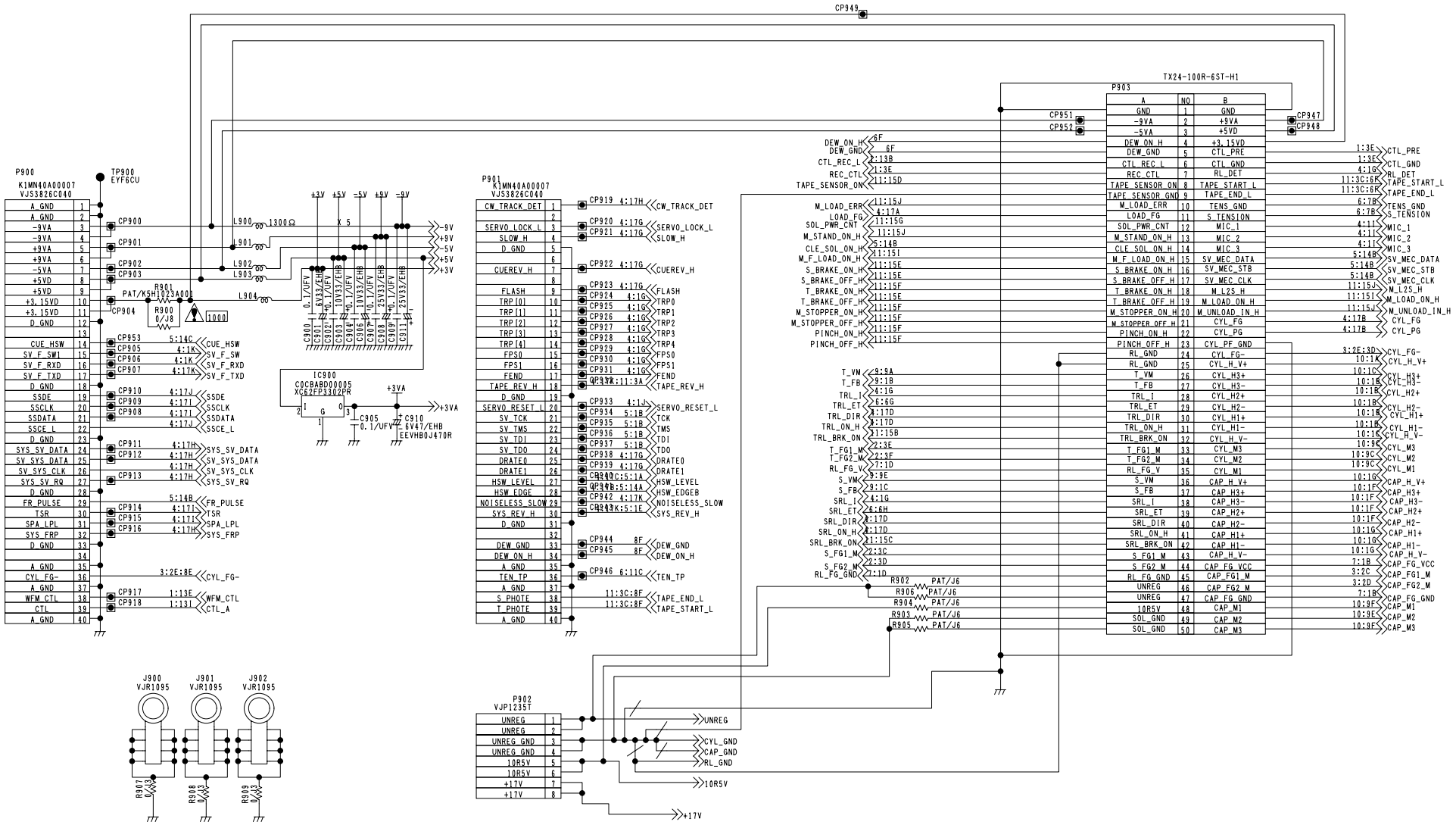
1 2 3 4 5 6 7 8 9 10 11 12 13 14



COMPONENT NAME	**SERVO(CA_CY_DRV)**	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(10/13)
		SCM089



COMPONENT NAME	**SERVO**	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(11/13)
		SCM090



IMPORTANT SAFETY NOTICE:
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⚠ 警 告

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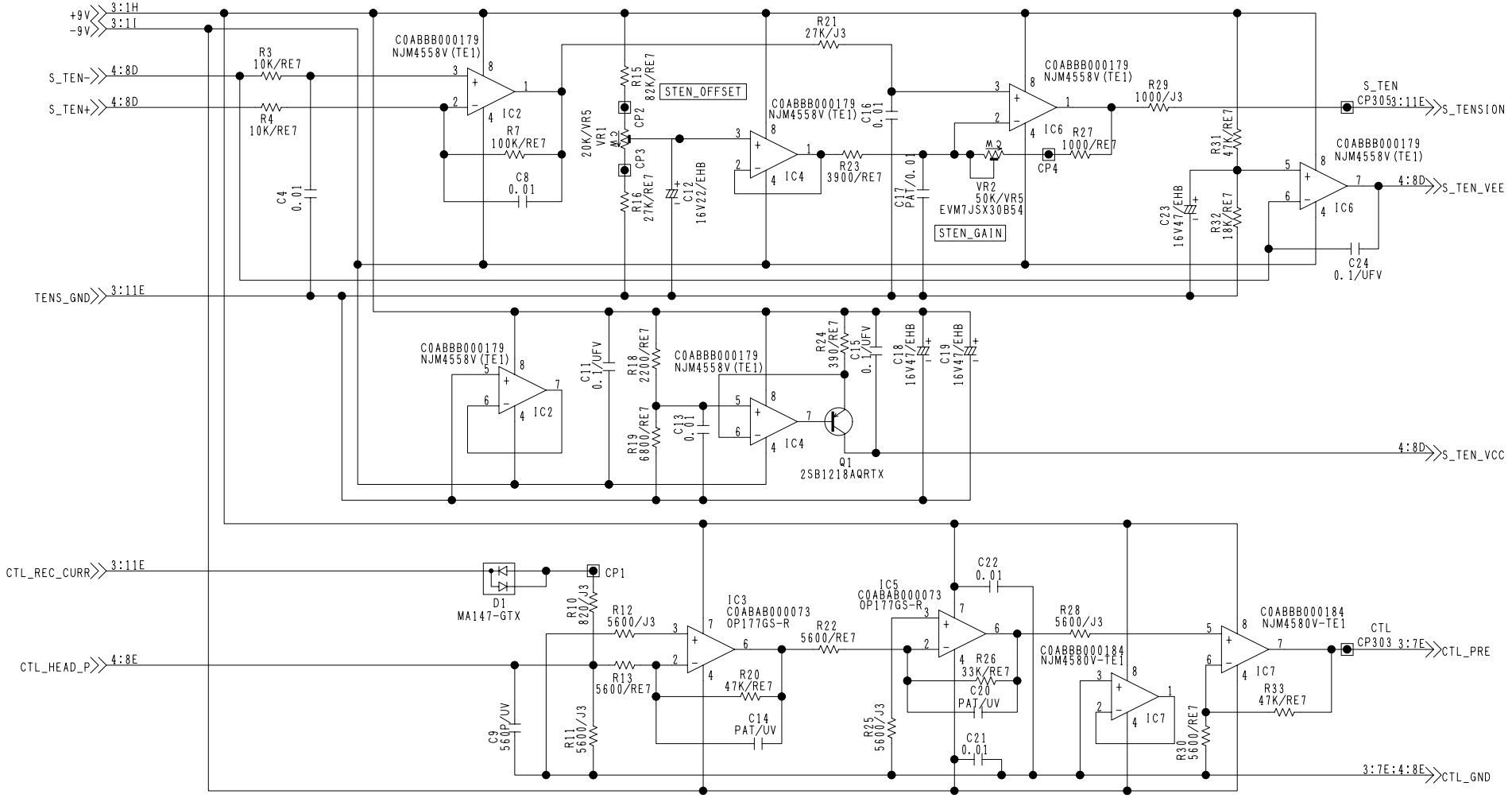
COMPONENT NAME	SERVO	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(12/13)
		SCM091

SOFT:IP201 MN1030F04KHF			PLD:IP300 X9288L7T144, X9144L7T100		
VSI4190			VSI4198		

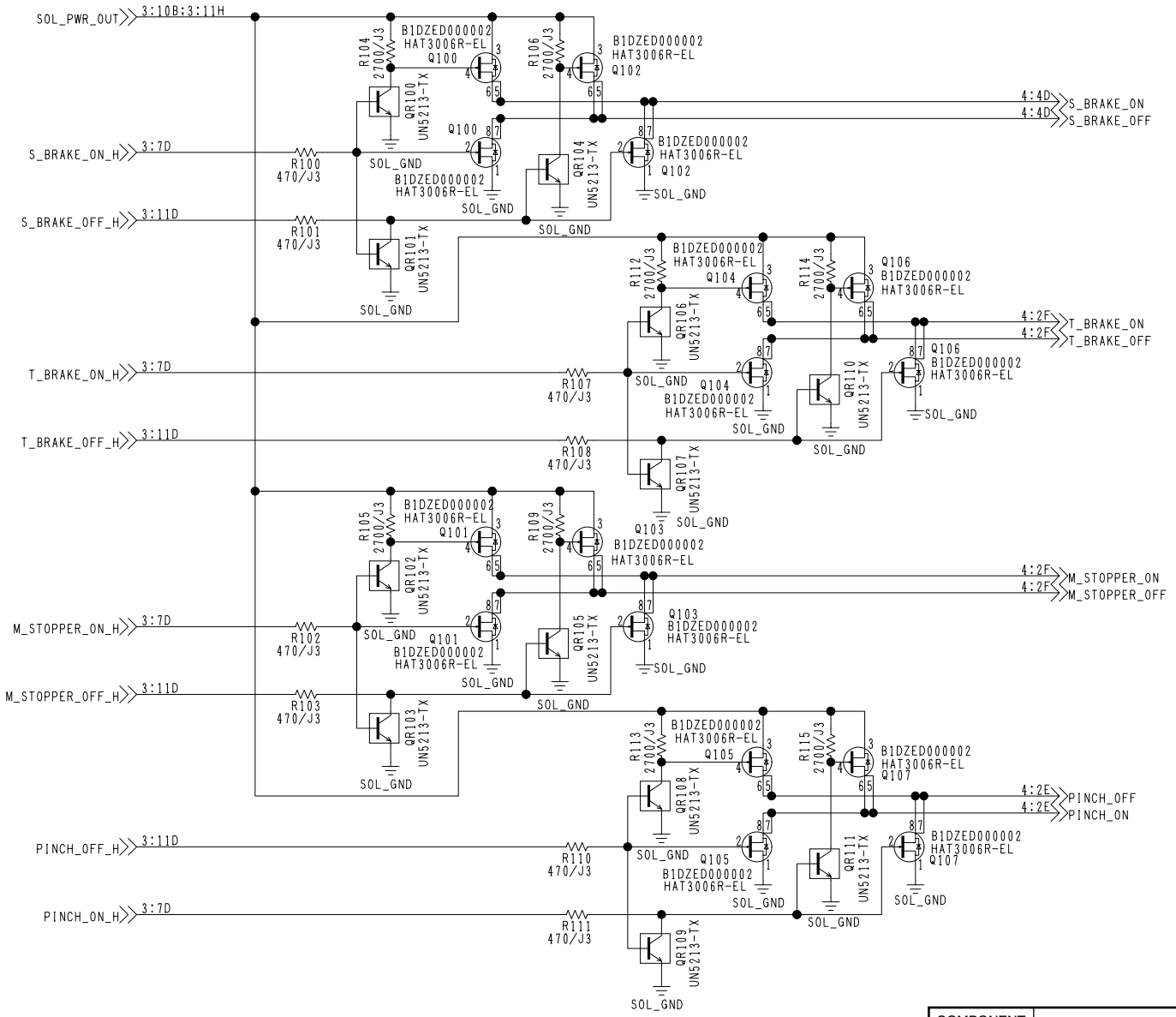
COMPONENT NAME	SERVO(SOFT)	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(13/13)
		SCM092

A B C D E F G H I J

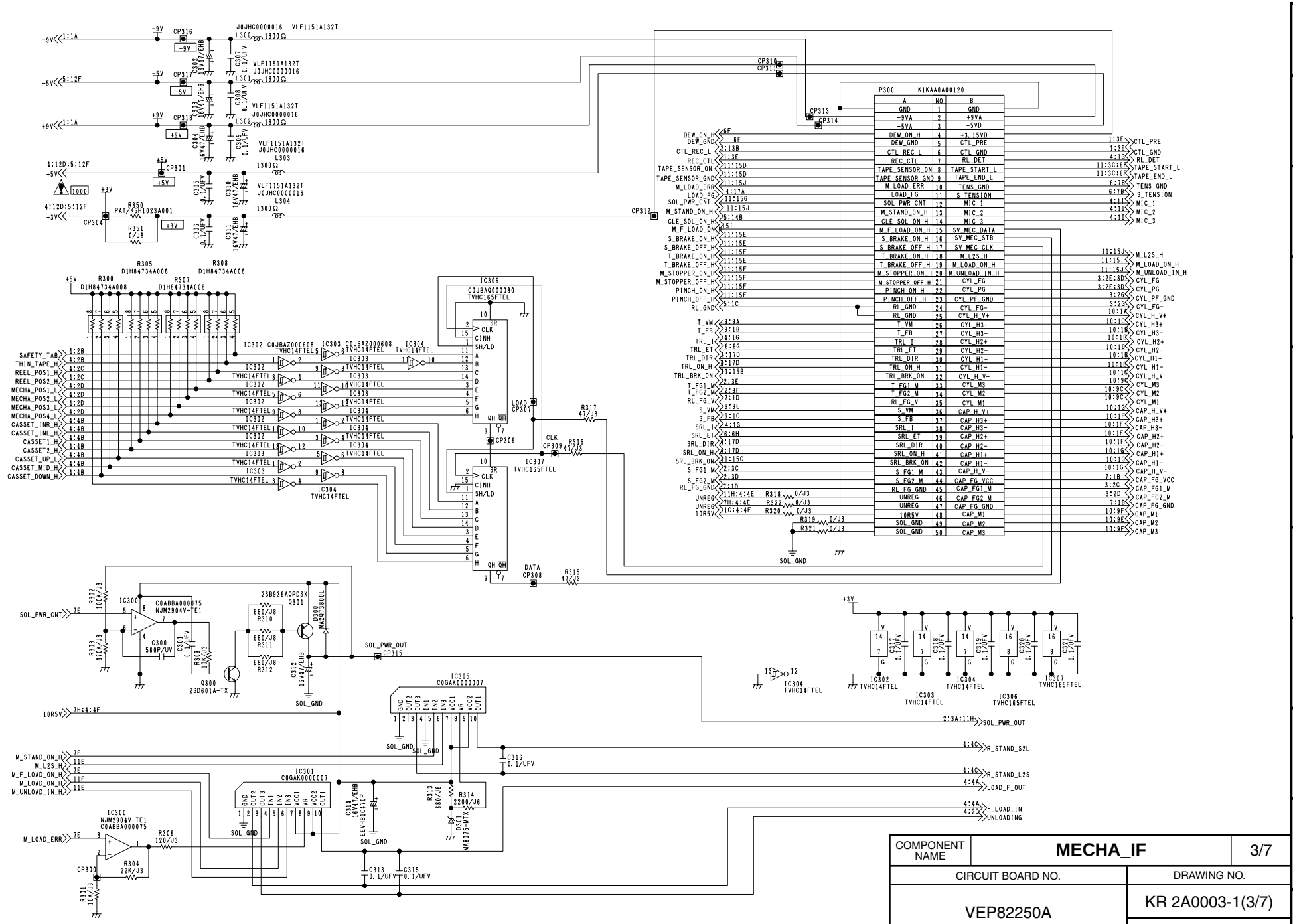
1 2 3 4 5 6 7 8 9 10 11 12 13 14

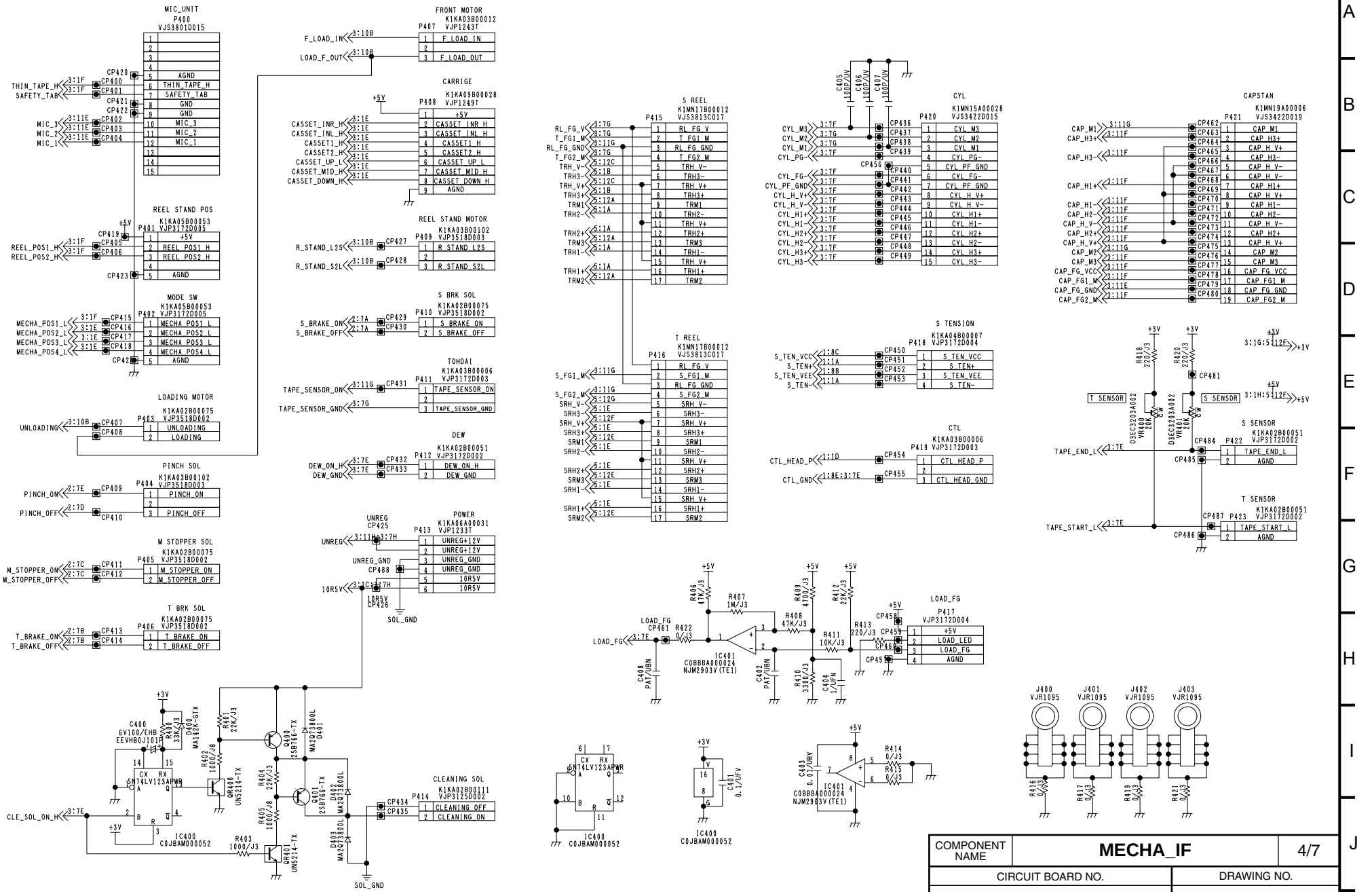


COMPONENT NAME	MECHA_IF	1/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(1/7)
		SCM093

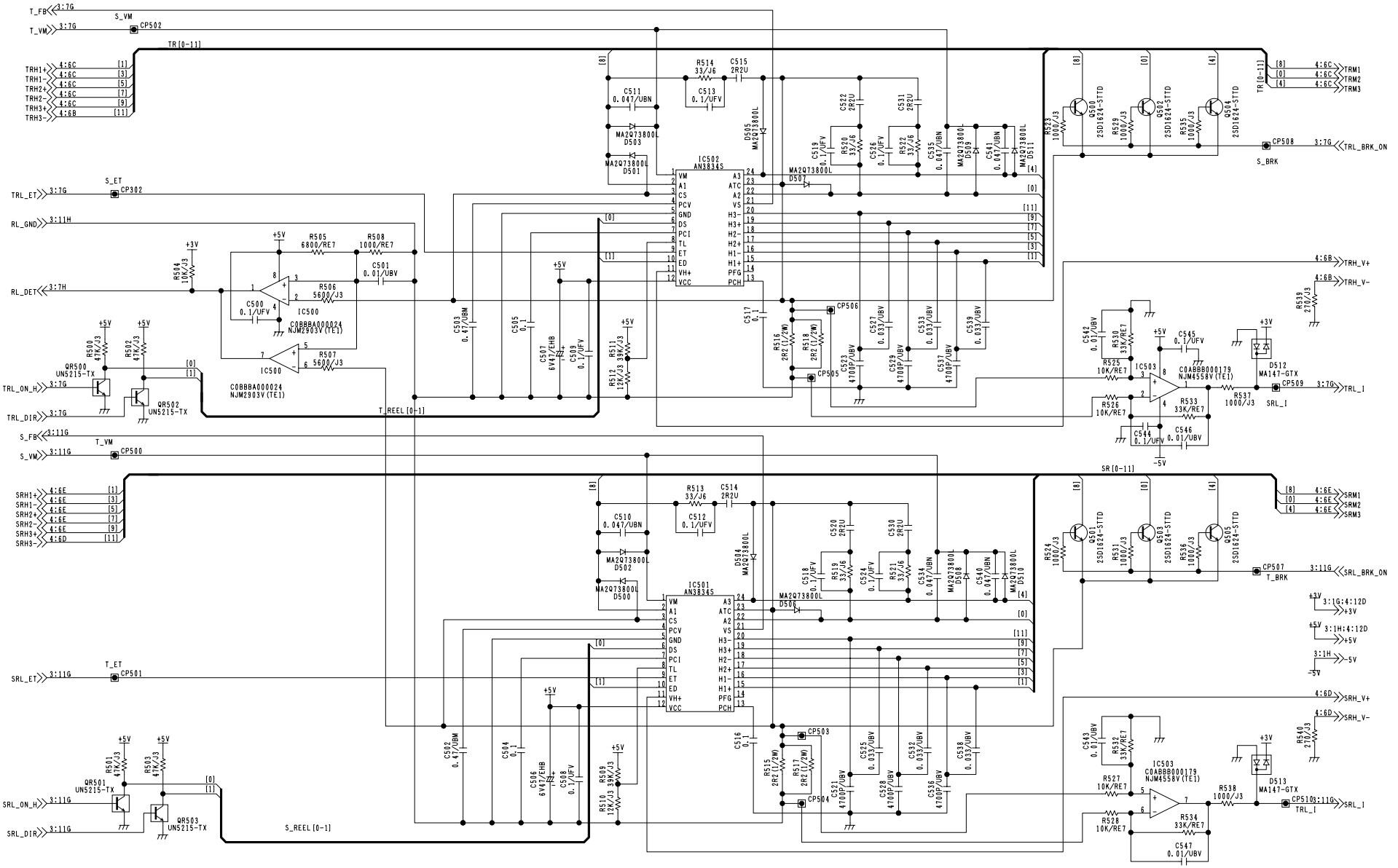


COMPONENT NAME	**MECHA_IF**	2/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(2/7)
		SCM094

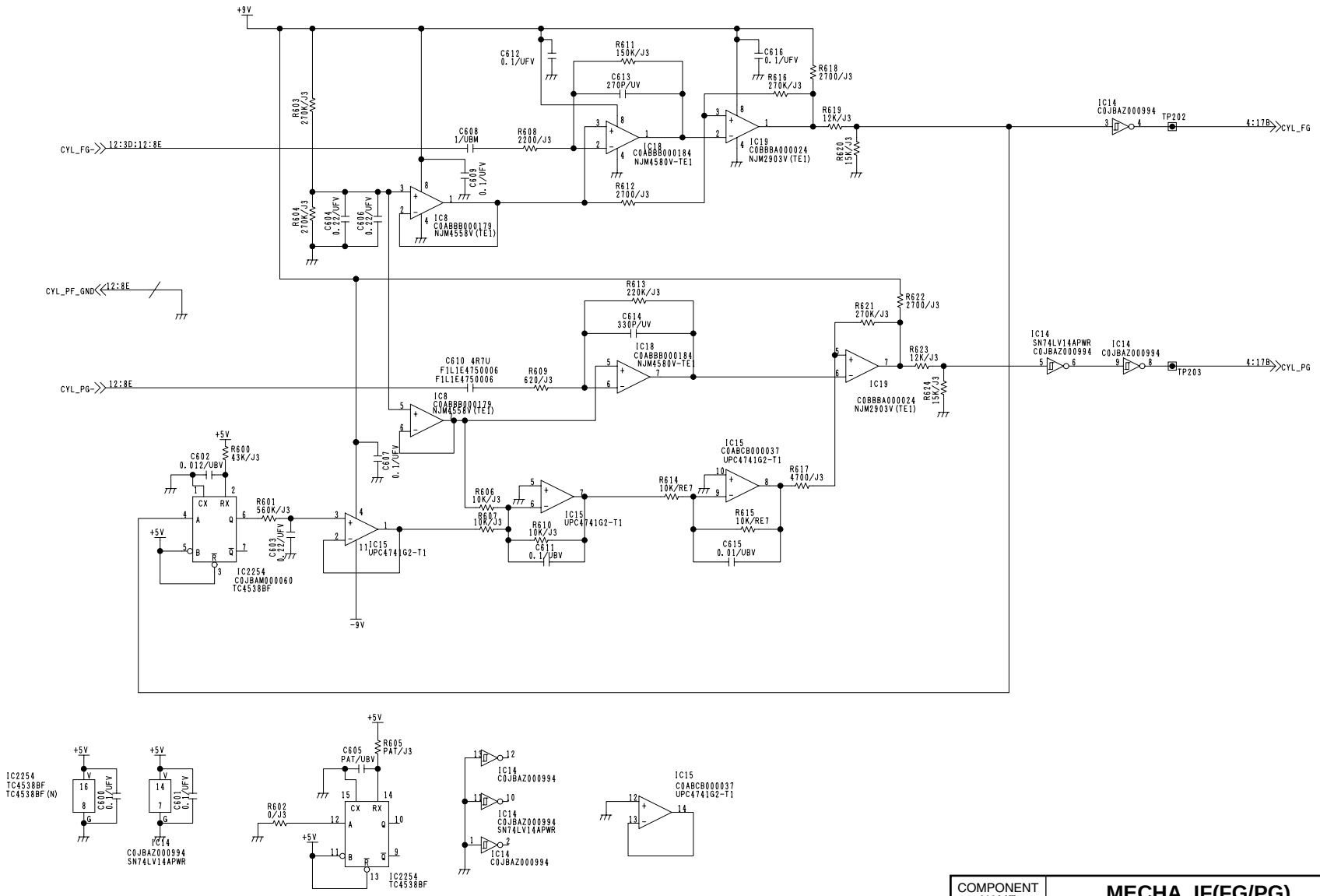

P300 K1KAA0A00120
IC300 C0ABBA000075 NJM2904V-TE1
IC301 C0GAK0000007
IC302 C0JBAZ000608 TVHC14FTEL
IC303 C0JBAZ000608 TVHC14FTEL
IC304 TVHC14FTEL
IC305 C0GAK0000007
IC306 C0JBAQ000080 TVHC165FTEL
IC307 TVHC165FTEL
Q300 2SD601A-TX
Q301 2SB936AQPDSX
D300 MA2S380UL
D301 MA8075-MTX
SOL_PWR_CNT
SOL_PWR_OUT
SOL_GND
M_STAND_ON_H
M_L2S_H
M_F_LOAD_ON_H
M_LOAD_ON_H
M_UNLOAD_IN_H
M_LOAD_ERR
R_STAND_S2L
R_STAND_L2S
LOAD_F_OUT
F_LOAD_IN
UNLOADING
COMPONENT NAME
MECHA_IF
3/7
CIRCUIT BOARD NO.
VEP82250A
DRAWING NO.
KR 2A0003-1(3/7)
SCM095



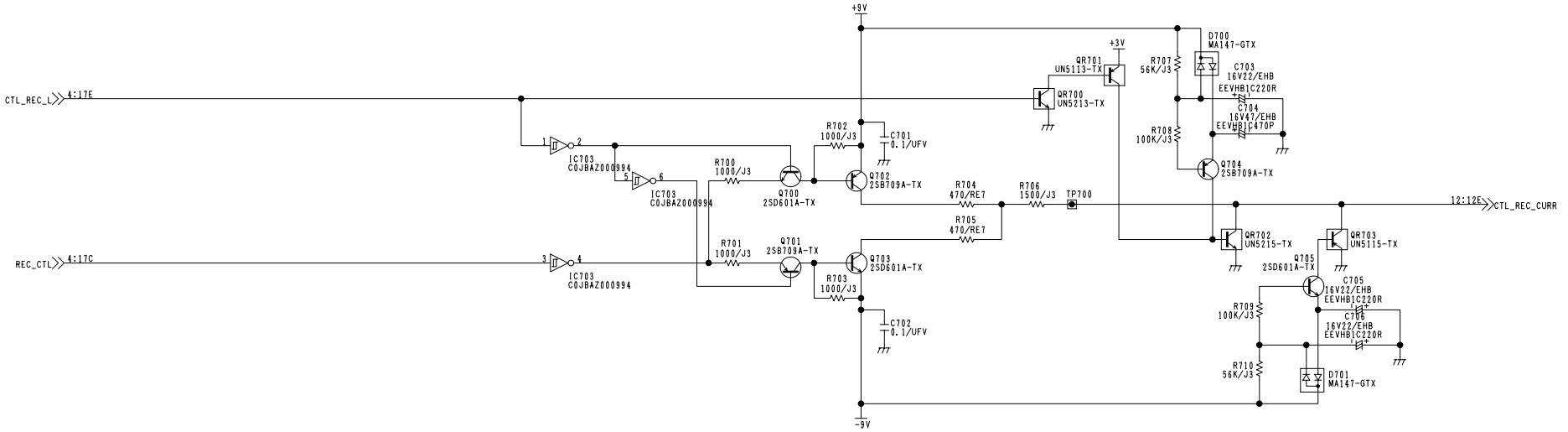
COMPONENT NAME	**MECHA_IF** 4/7
CIRCUIT BOARD NO.	DRAWING NO.
VEP82250A	KR 2A0003-1(4/7)
	SCM096



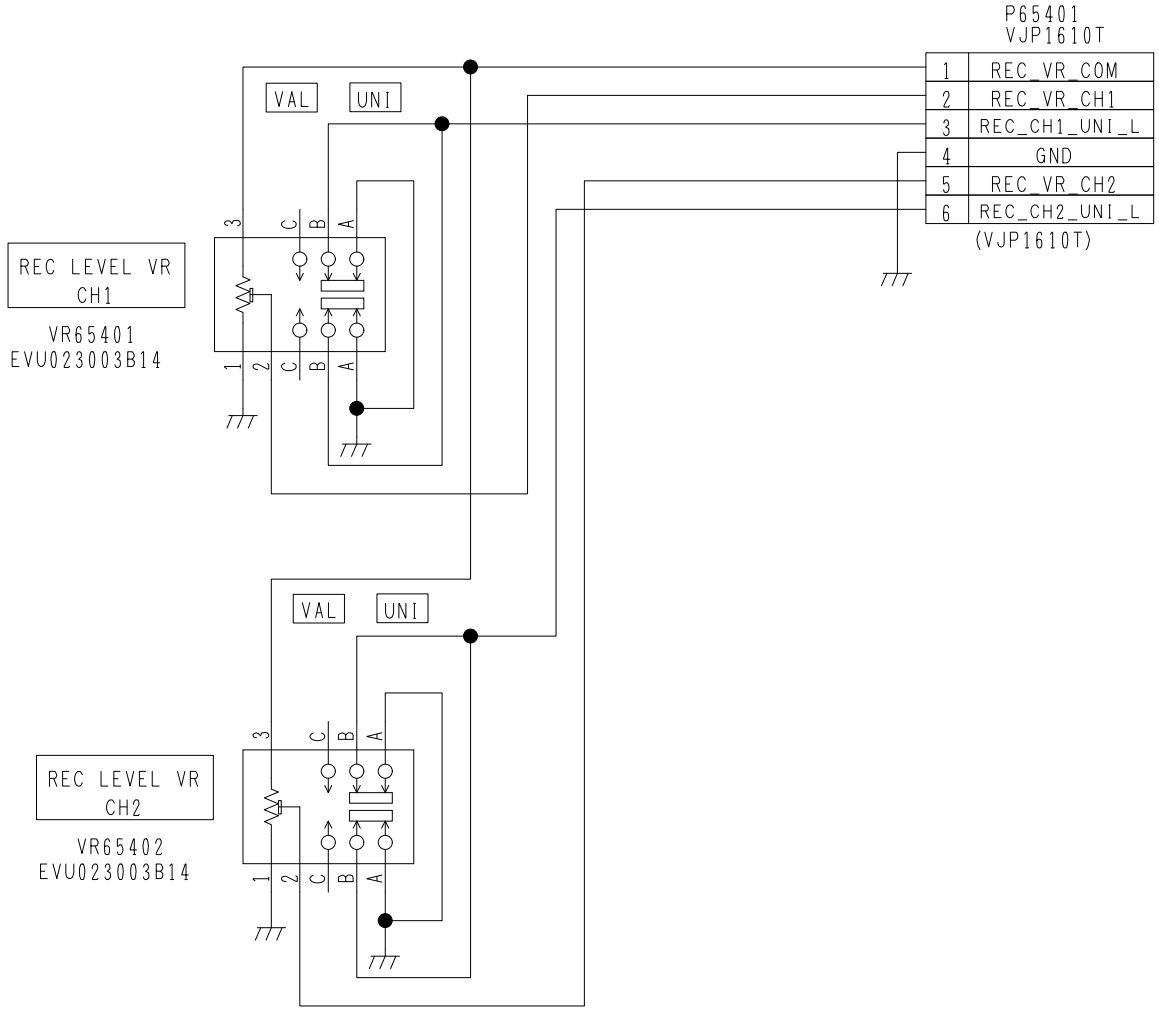
COMPONENT NAME	MECHA_IF(RL_DRV)	5/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(5/7)
		SCM097



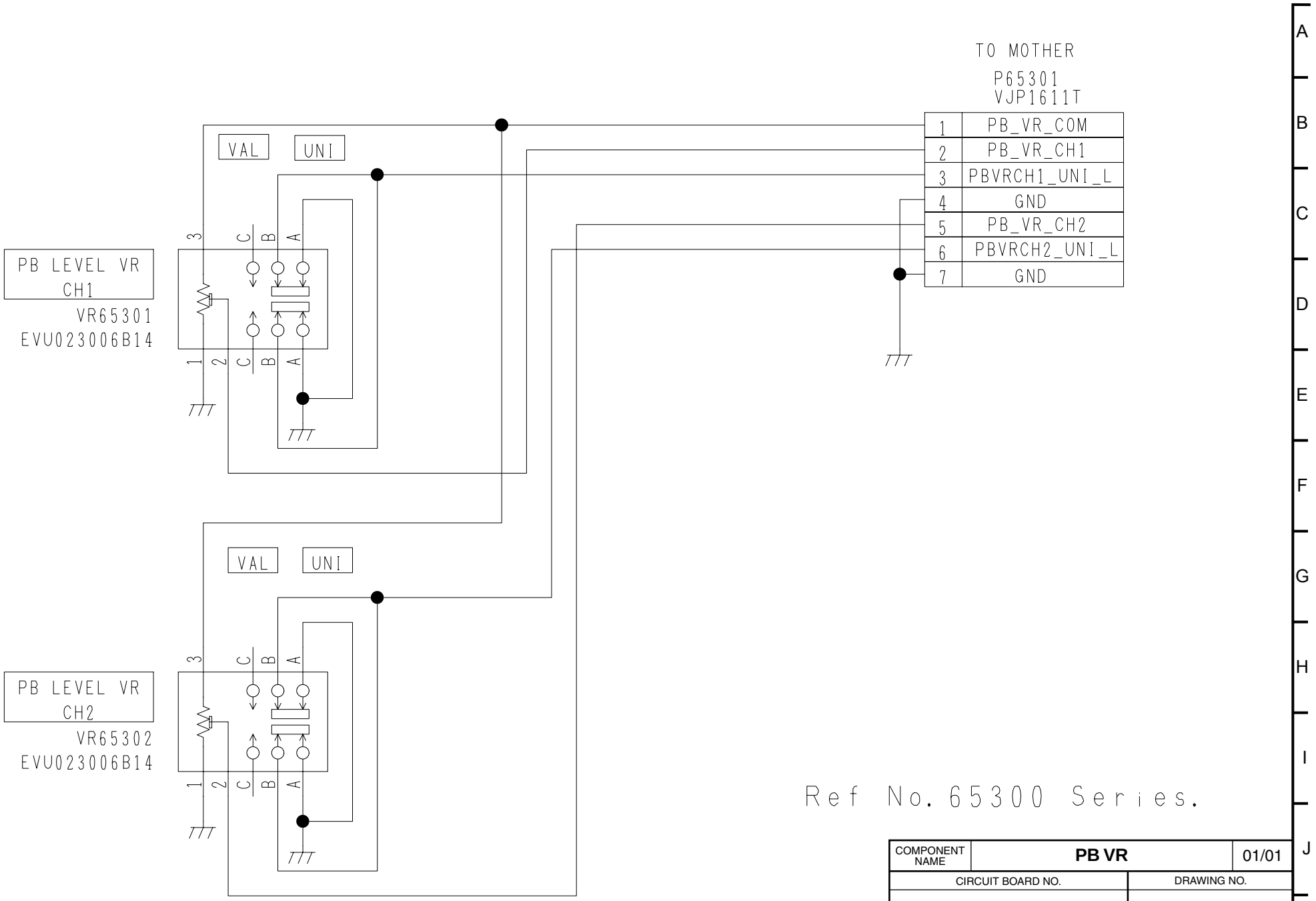
COMPONENT NAME	MECHA_IF(FG/PG)	6/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(6/7)
		SCM098

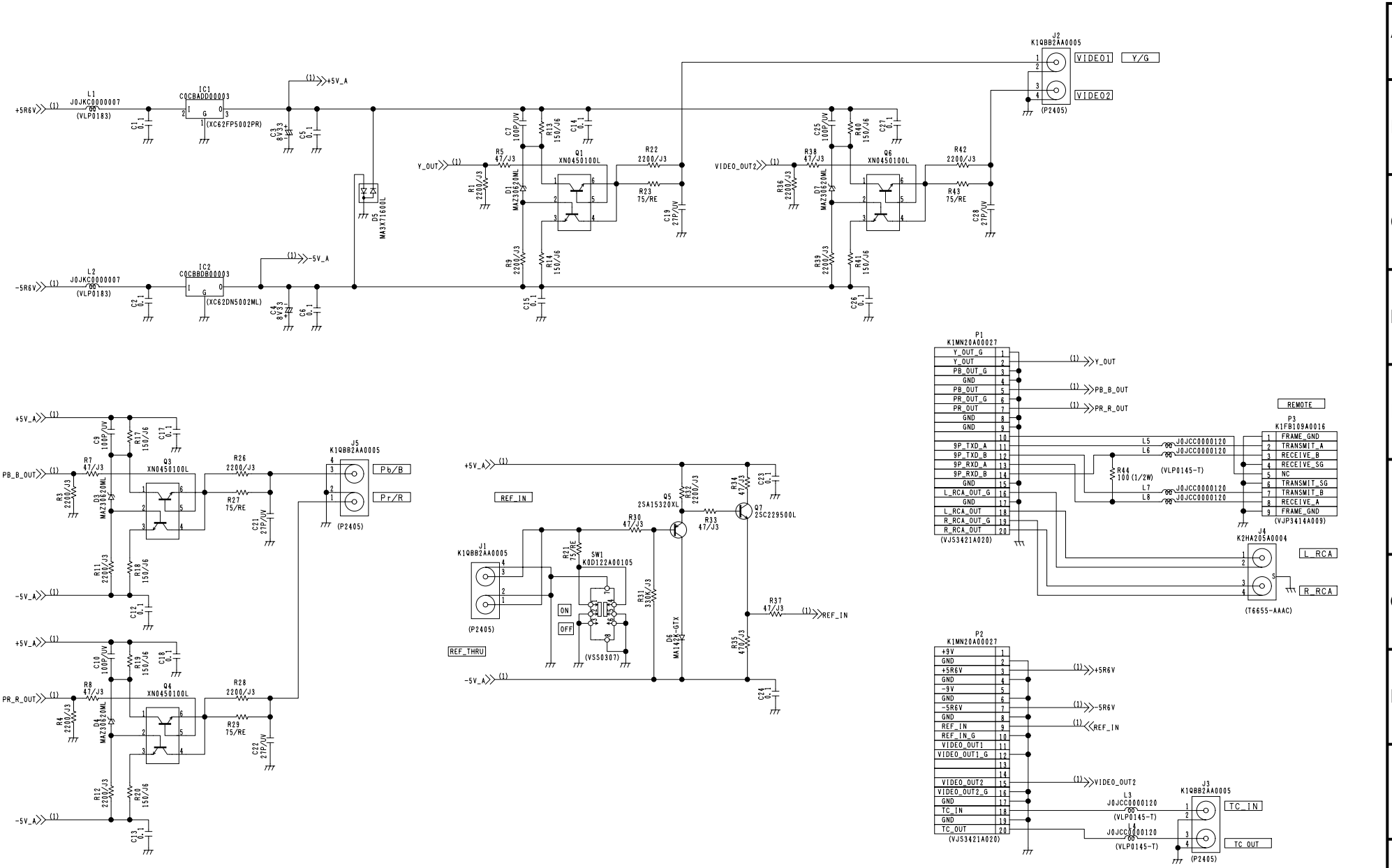


COMPONENT NAME	**MECHA_IF(REC_CTL)**	7/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(7/7)
		SCM099

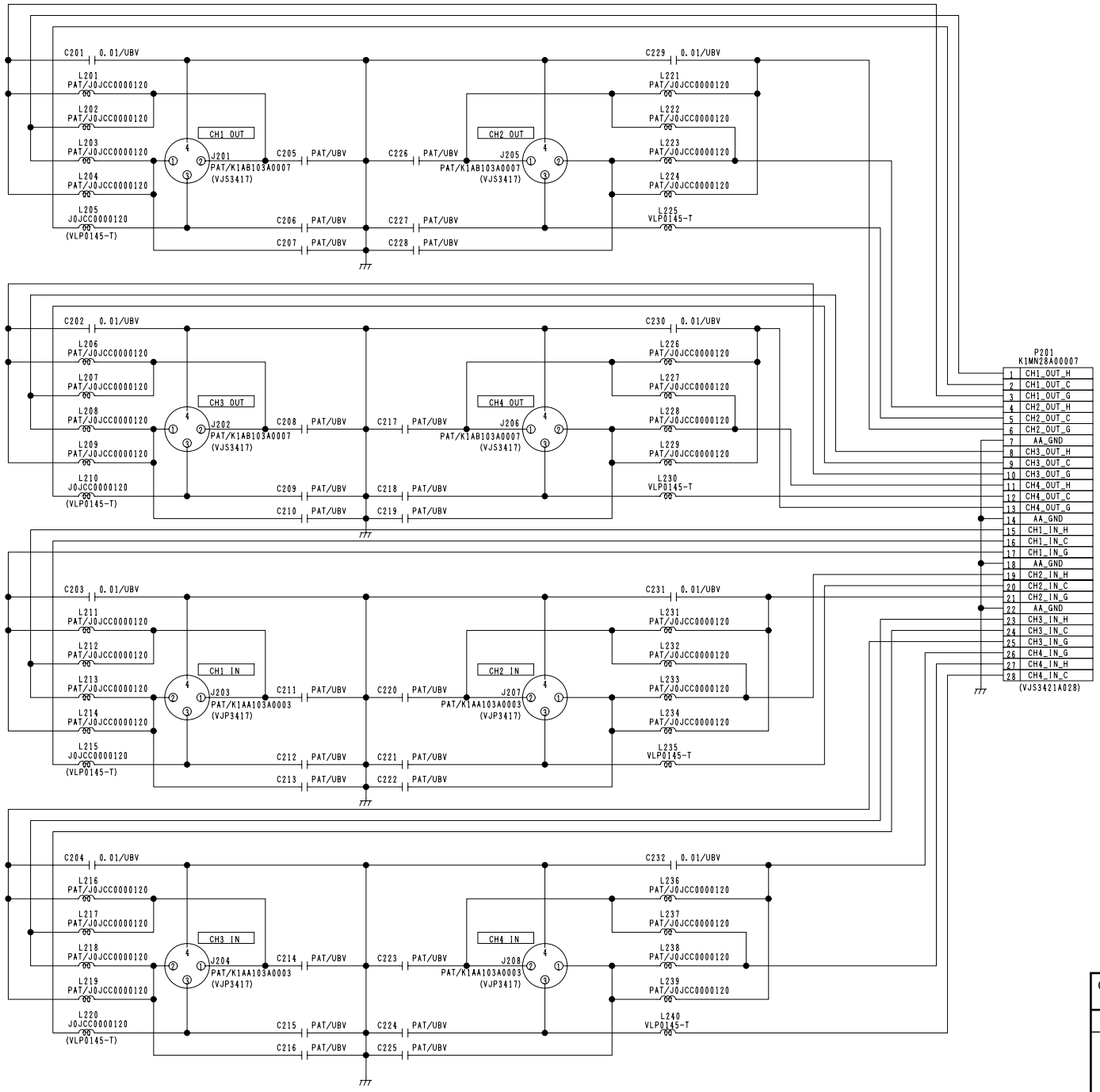


COMPONENT NAME	MAIN	01/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP86346A		KR 6A0119(1/1)
		SCM100


TO MOTHER
P65301
VJP1611T
1 PB_VR_COM
2 PB_VR_CH1
3 PBVRCH1_UNI_L
4 GND
5 PB_VR_CH2
6 PBVRCH2_UNI_L
7 GND
PB LEVEL VR
CH1
VR65301
EVU023006B14
VAL
UNI
PB LEVEL VR
CH2
VR65302
EVU023006B14
VAL
UNI
Ref No. 65300 Series.
COMPONENT NAME
PB VR
01/01
CIRCUIT BOARD NO.
VEP86283A
DRAWING NO.
(1/1)
SCM101

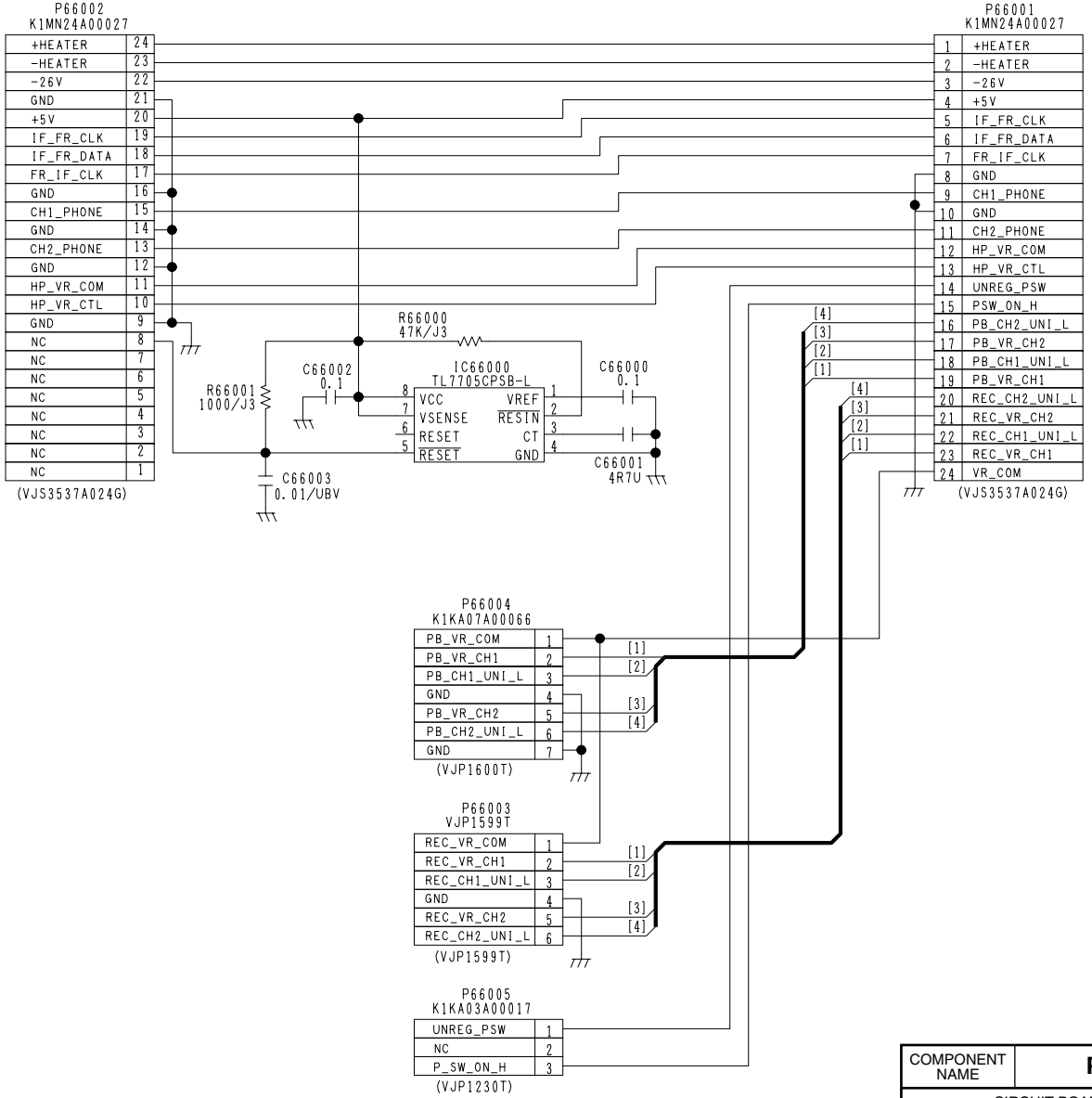


COMPONENT NAME	V_JACK	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP83626A		KR 3A0010(1/1)
		SCM102

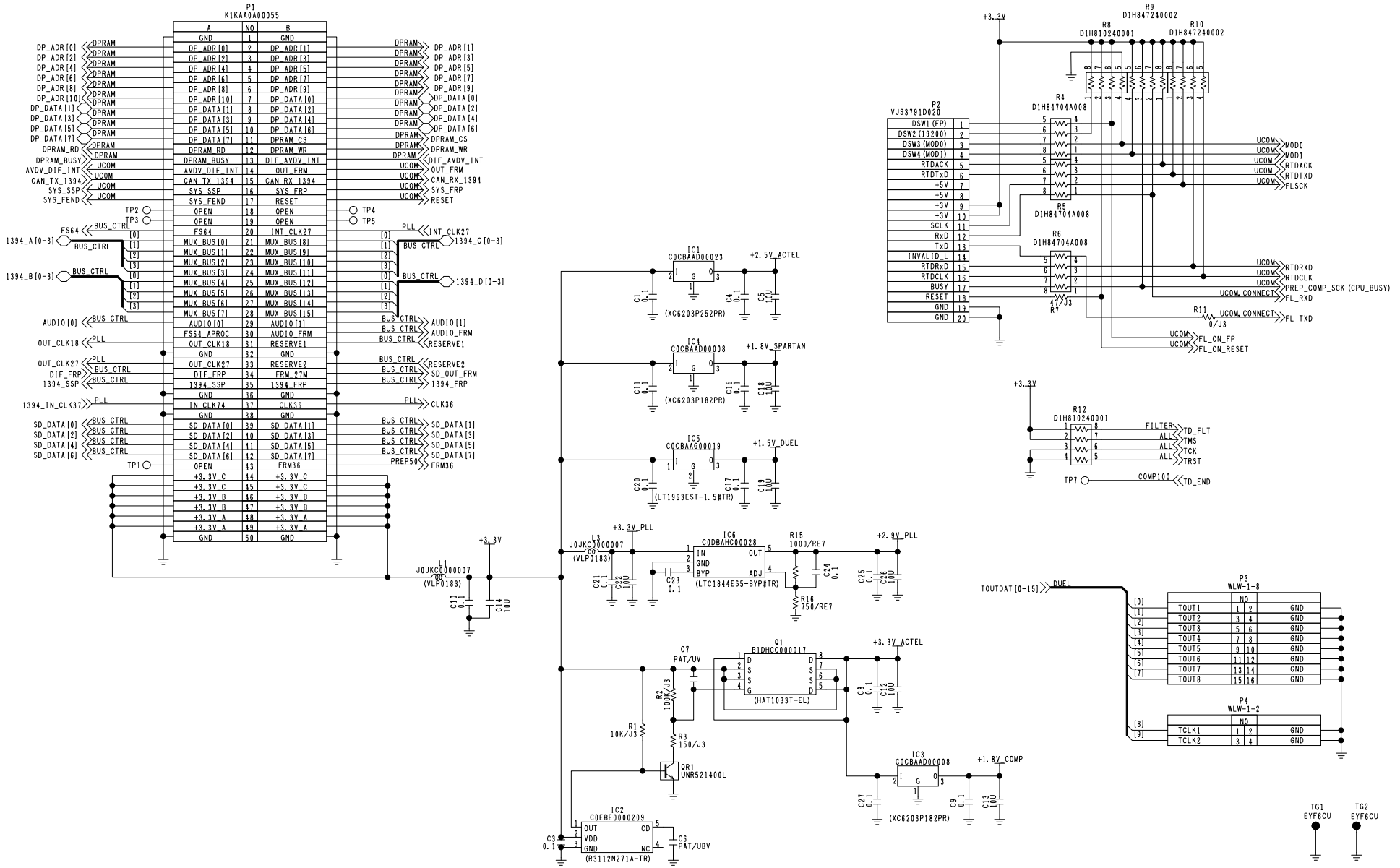


REF NO.	-T		remark
L201	PAT		CH1_OUT
L202	VLP0145-T		
L203	PAT		
L204	VLP0145-T		
L206	PAT		CH3_OUT
L207	VLP0145-T		
L208	PAT		
L209	VLP0145-T		
L211	VLP0145-T		CH1_IN
L212	PAT		
L213	VLP0145-T		
L214	PAT		
L216	VLP0145-T		CH3_IN
L217	PAT		
L218	VLP0145-T		
L219	PAT		
L221	VLP0145-T		CH2_OUT
L222	PAT		
L223	VLP0145-T		
L224	PAT		
L226	VLP0145-T		CH4_OUT
L227	PAT		
L228	VLP0145-T		
L229	PAT		
L231	PAT		CH2_IN
L232	VLP0145-T		
L233	PAT		
L234	VLP0145-T		
L236	PAT		CH4_IN
L237	VLP0145-T		
L238	PAT		
L239	VLP0145-T		
J201	VJS3417		CH1_OUT
J202	VJS3417		CH3_OUT
J203	VJP3417		CH1_IN
J204	VJP3417		CH3_IN
J205	VJS3417		CH2_OUT
J206	VJS3417		CH4_OUT
J207	VJP3417		CH2_IN
J208	VJP3417		CH4_IN

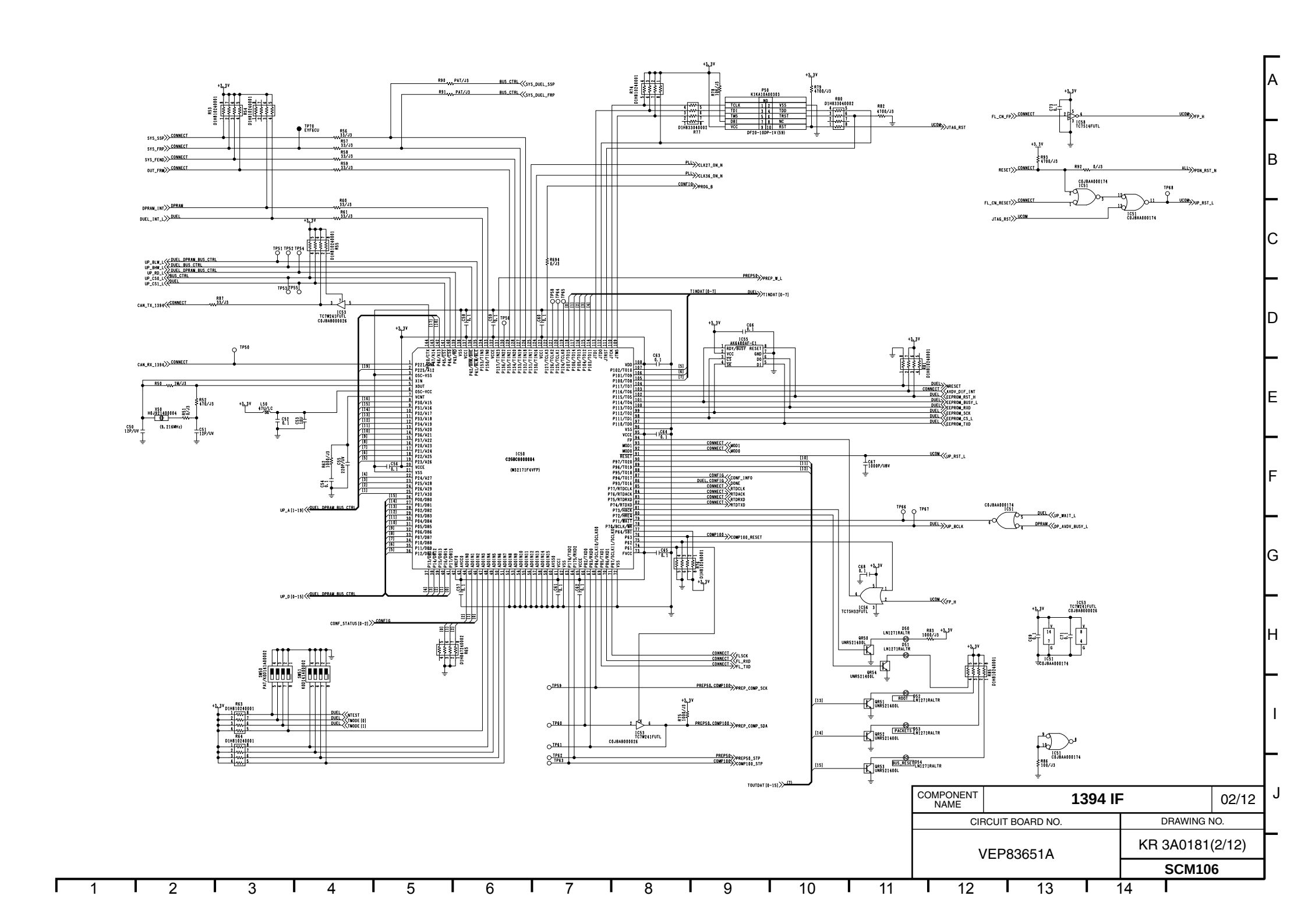
COMPONENT NAME	**A_JACK**	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP84394A		KR 4A0004(1/1)
		SCM103



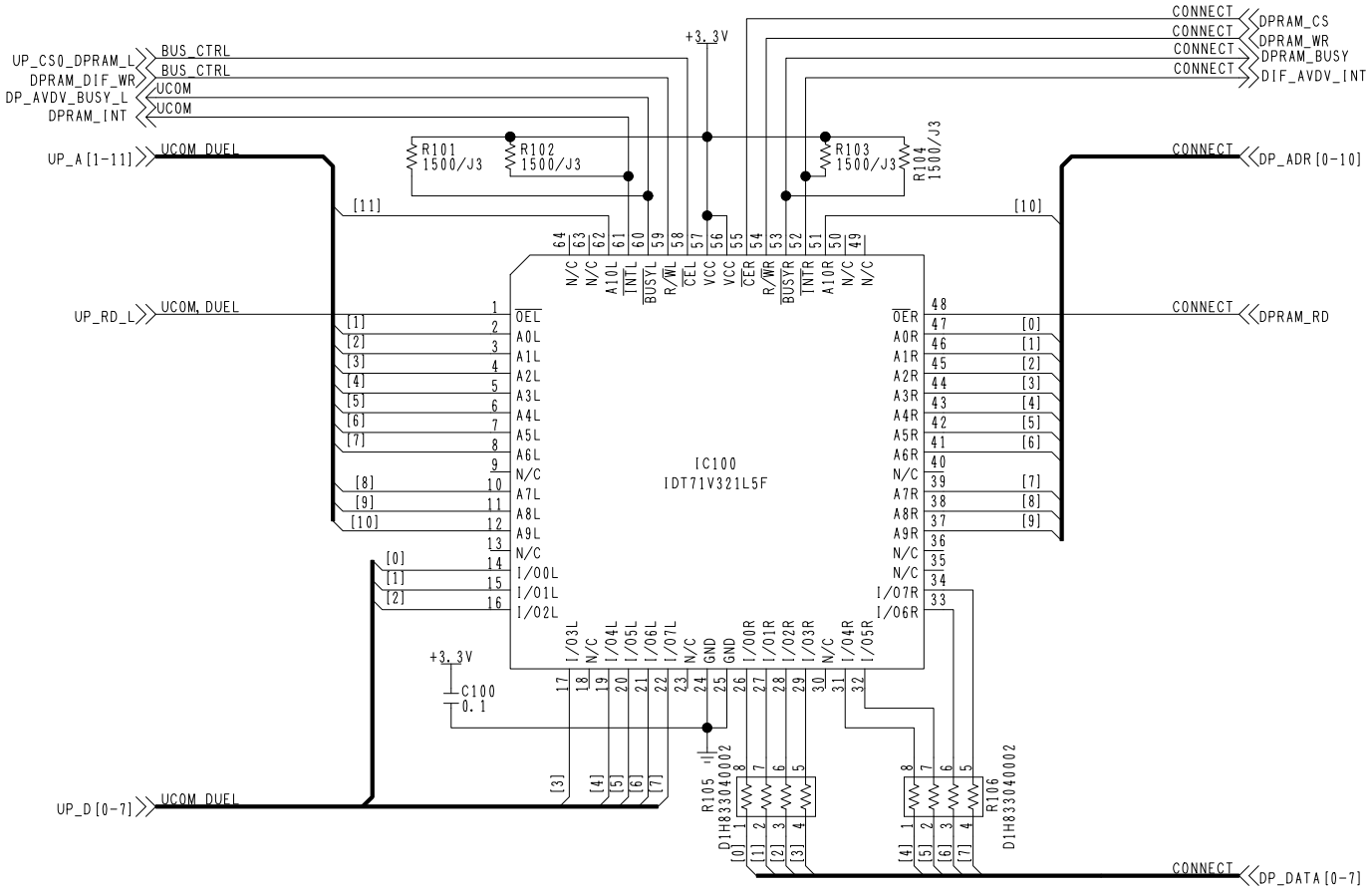
COMPONENT NAME	**FRONT_CONNECT**	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP86336A		KR 6A0037(1/1)
		SCM104



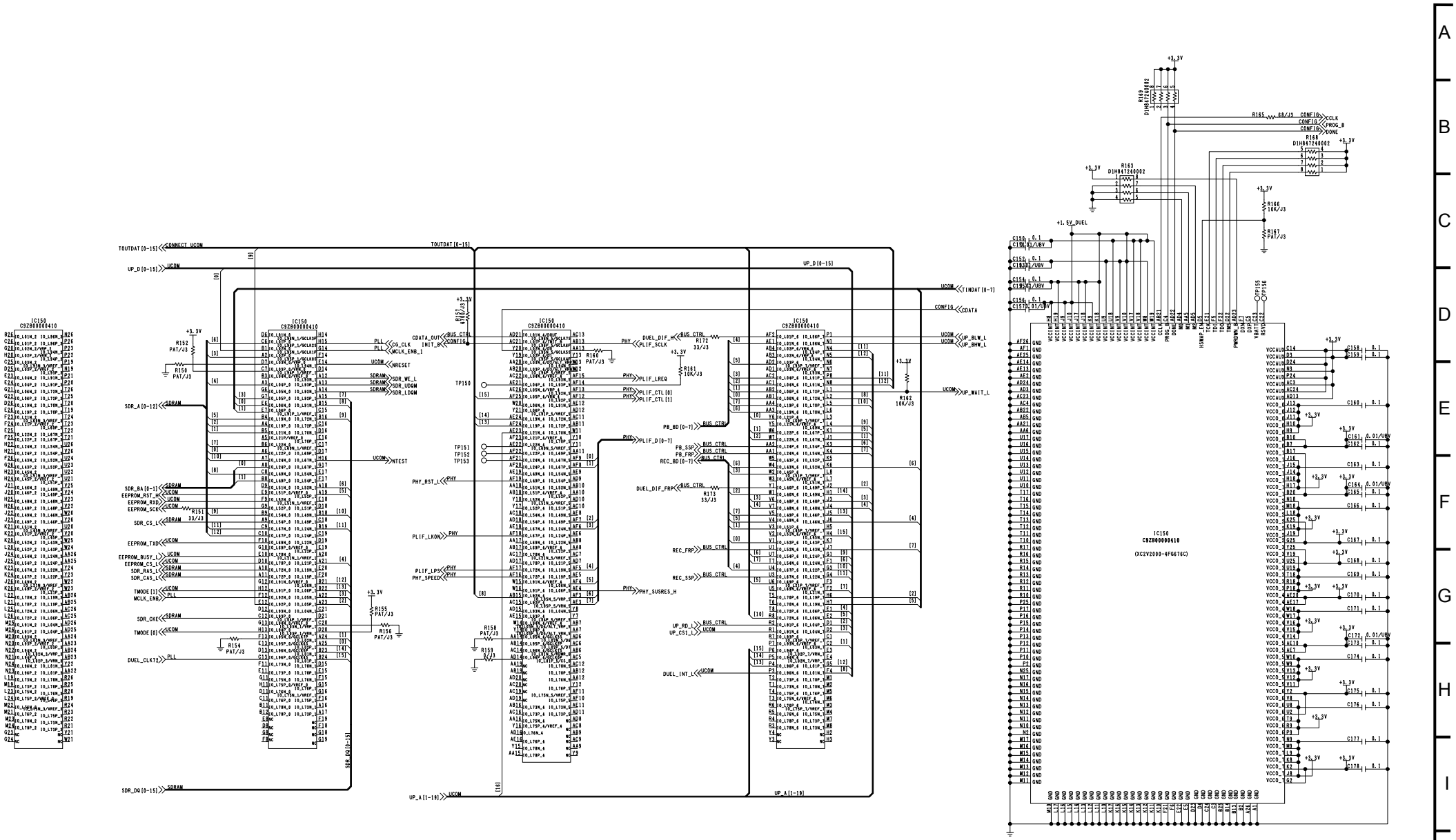
COMPONENT NAME	**1394 IF**	01/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(1/12)
		SCM105



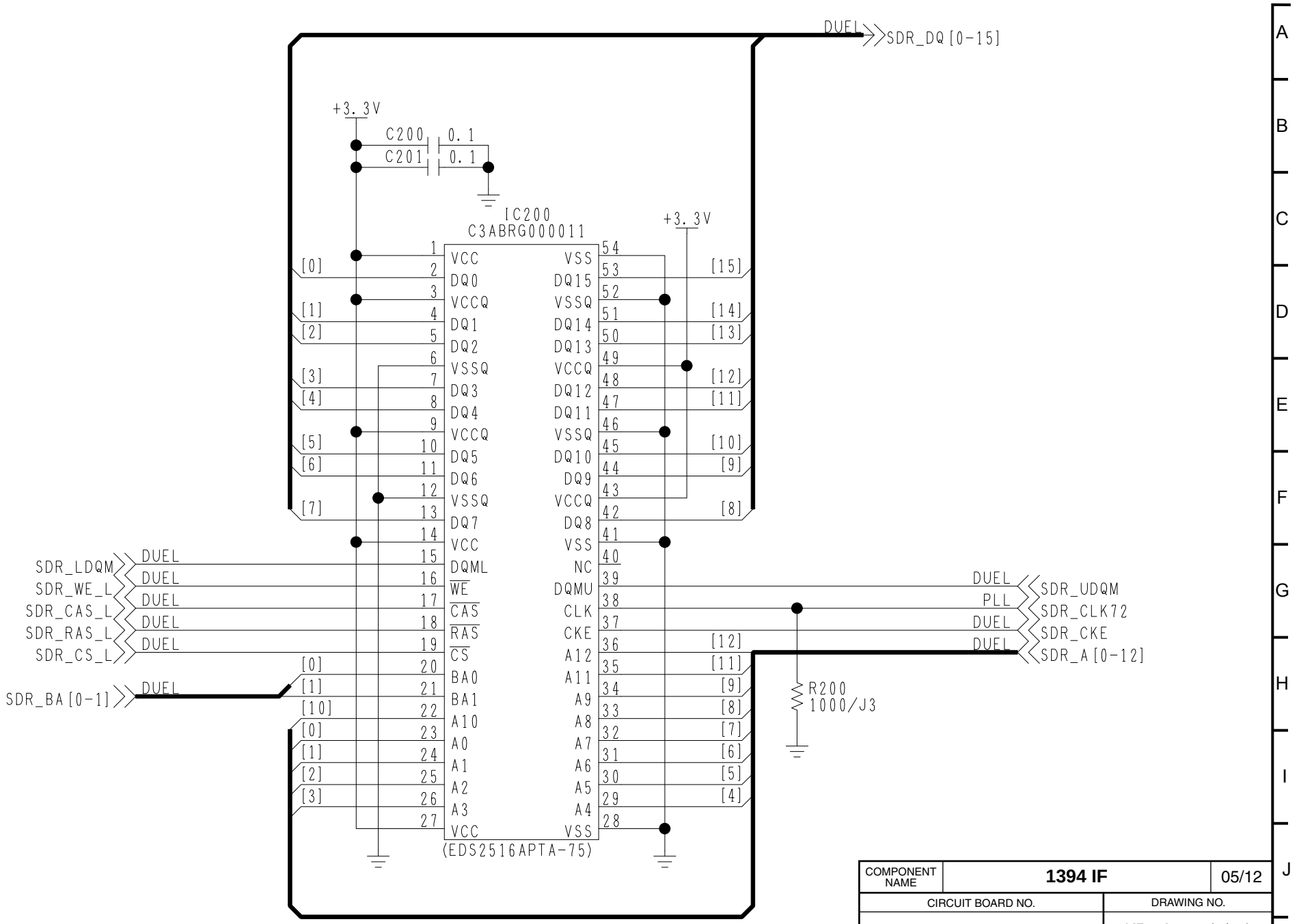
COMPONENT NAME	1394 IF	02/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(2/12)
		SCM106



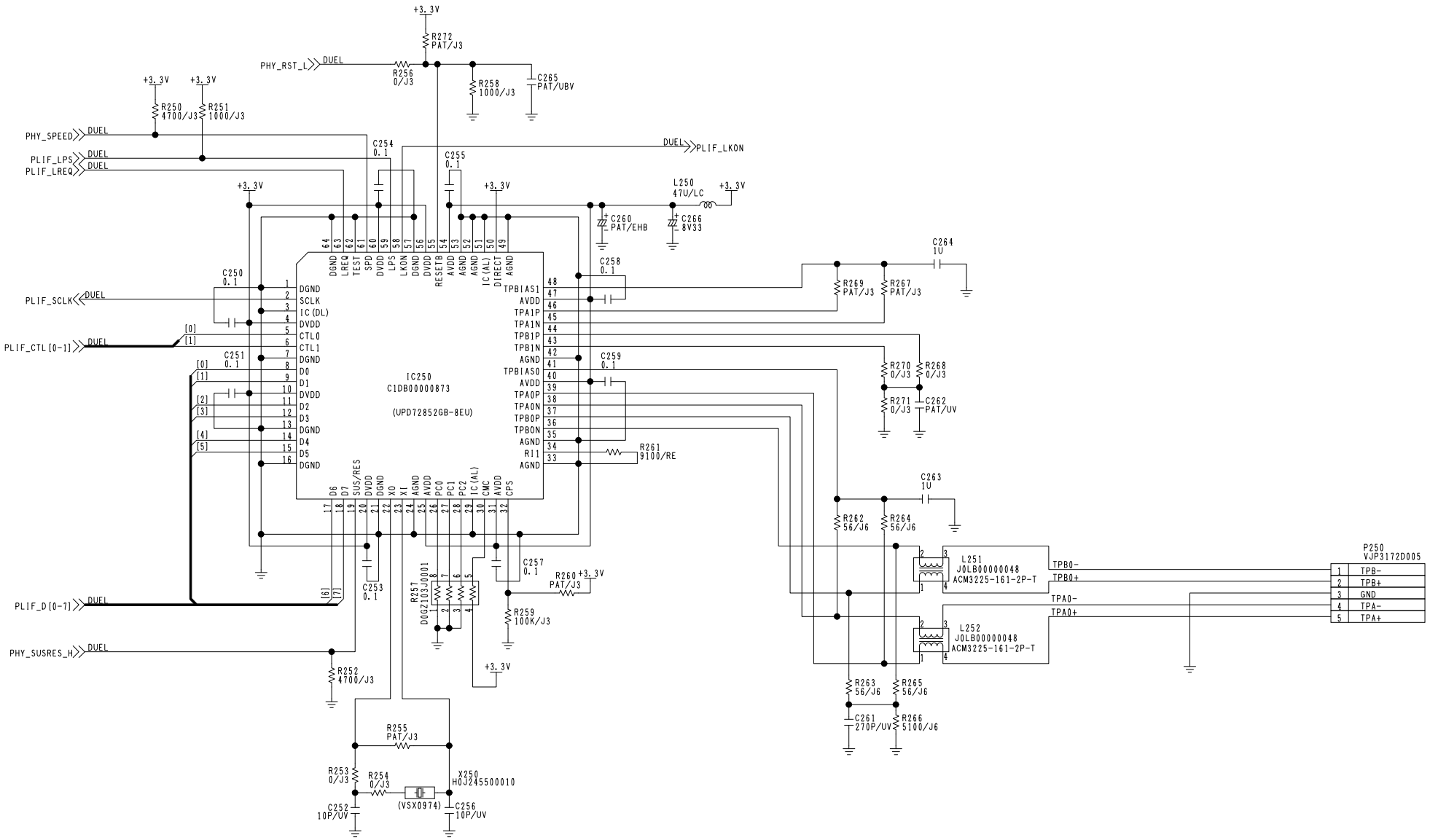
COMPONENT NAME	1394 IF	03/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(3/12)
		SCM107



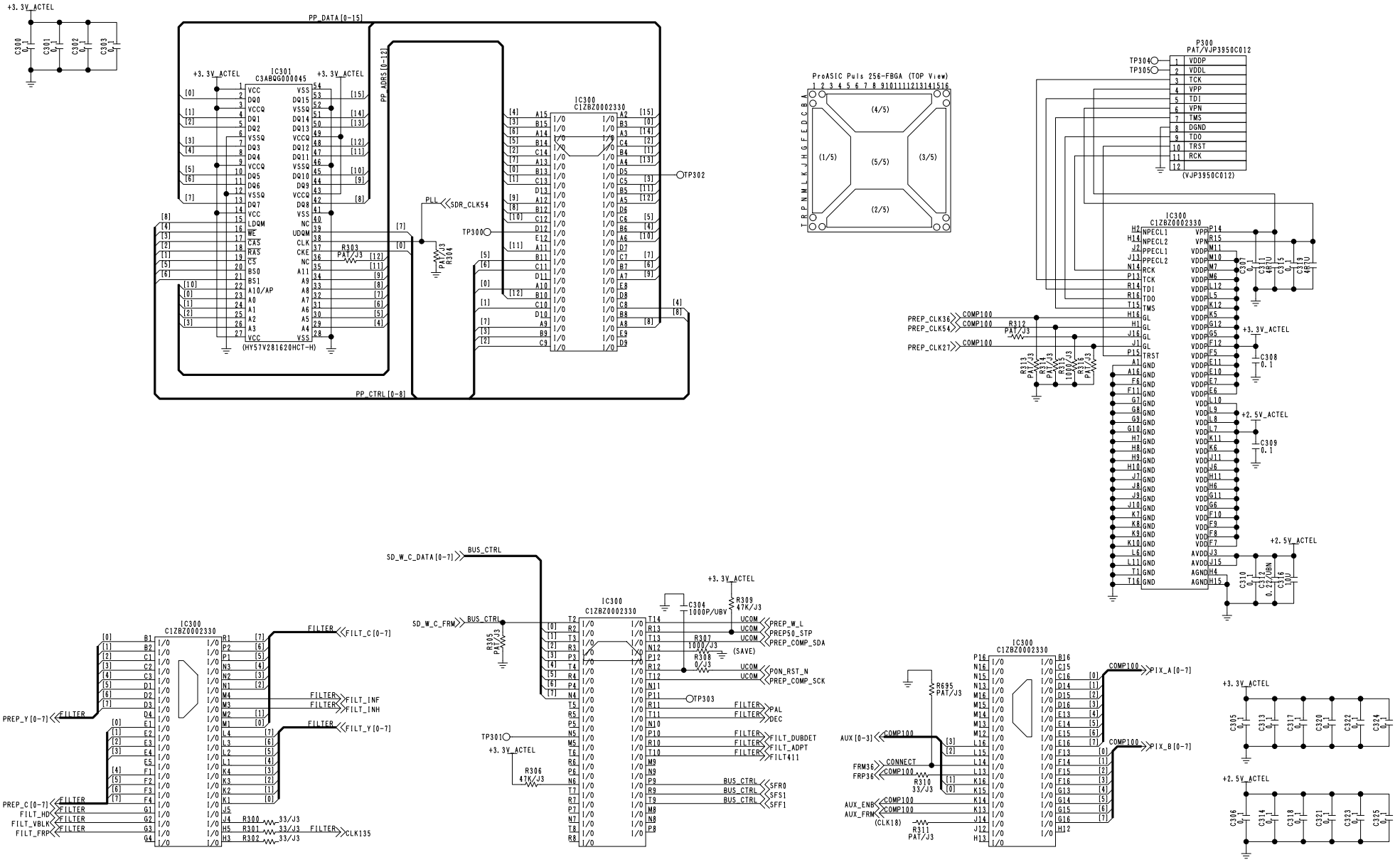
COMPONENT NAME	1394 IF	04/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(4/12)
		SCM108



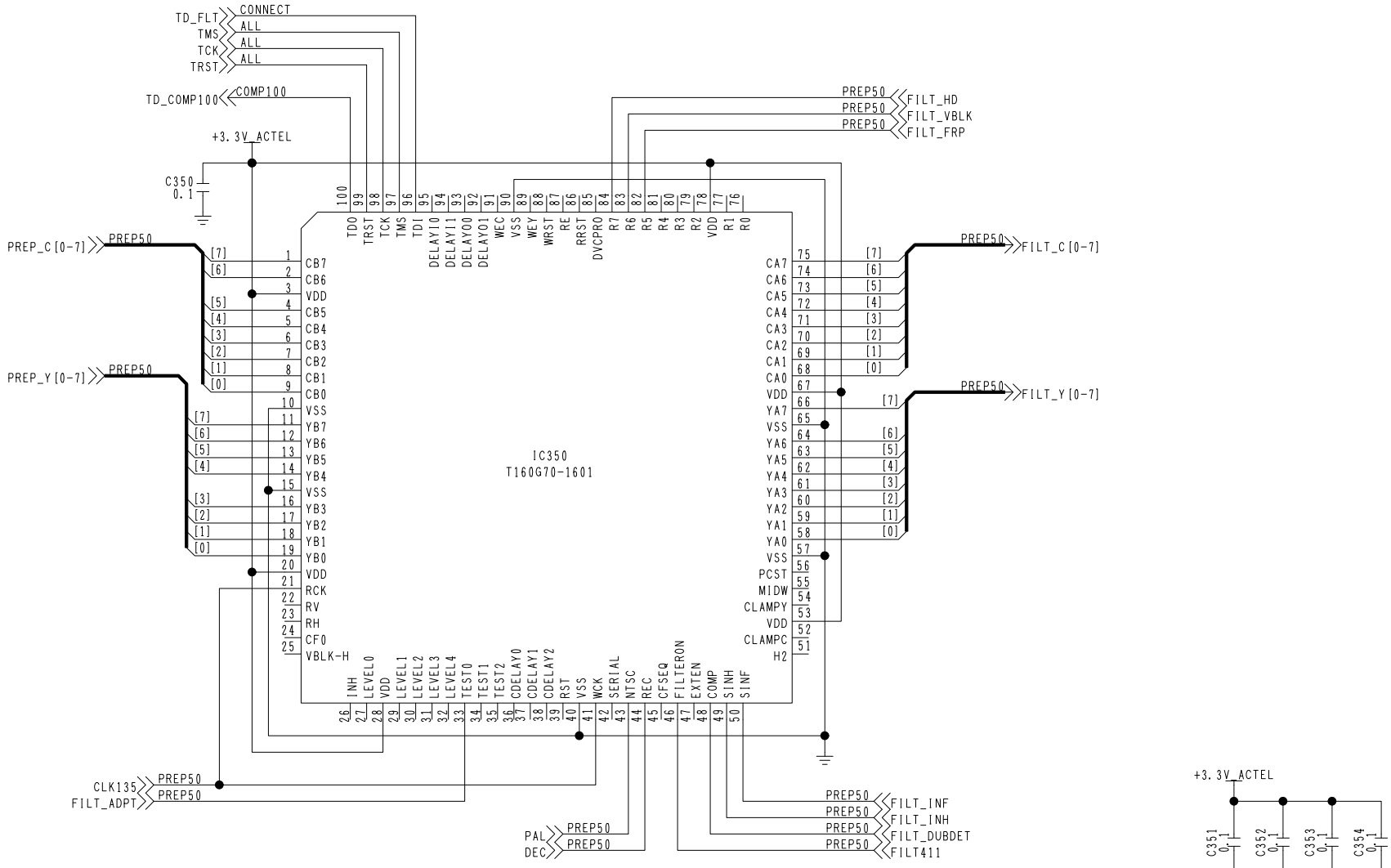
COMPONENT NAME	1394 IF	05/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(5/12)
		SCM109



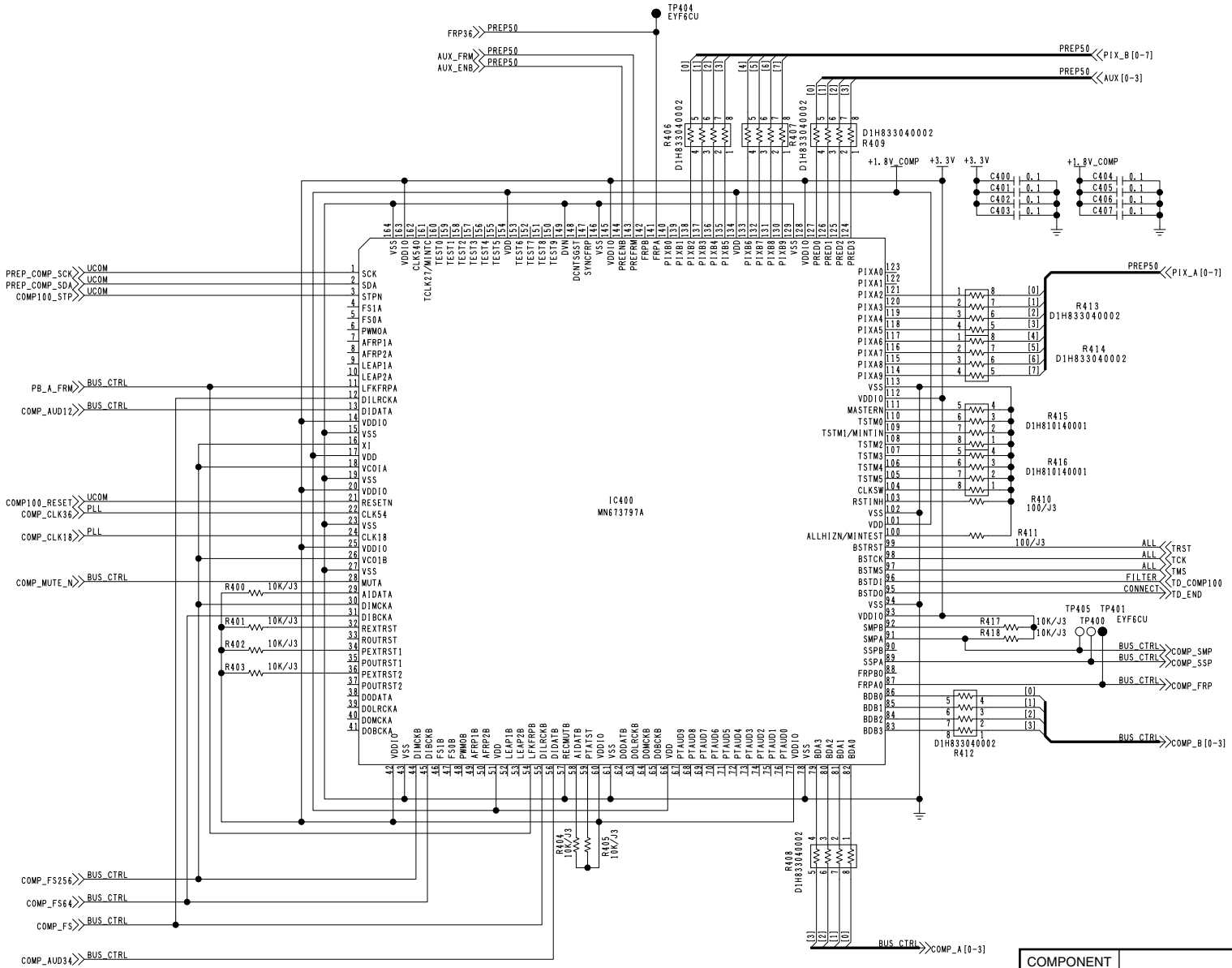
COMPONENT NAME	1394 IF	06/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(6/12)
		SCM110



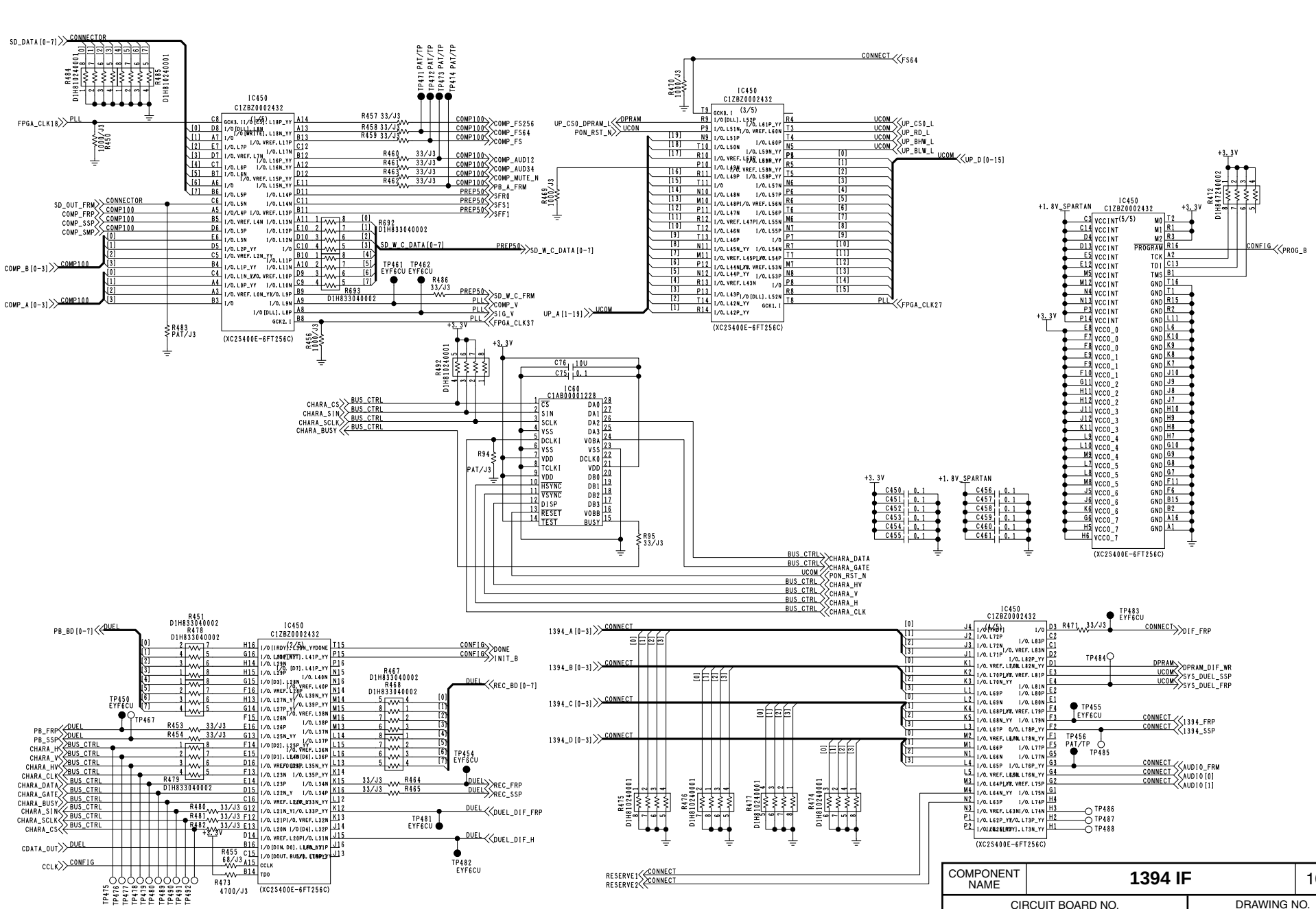
COMPONENT NAME	1394 IF	07/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(7/12)
		SCM111



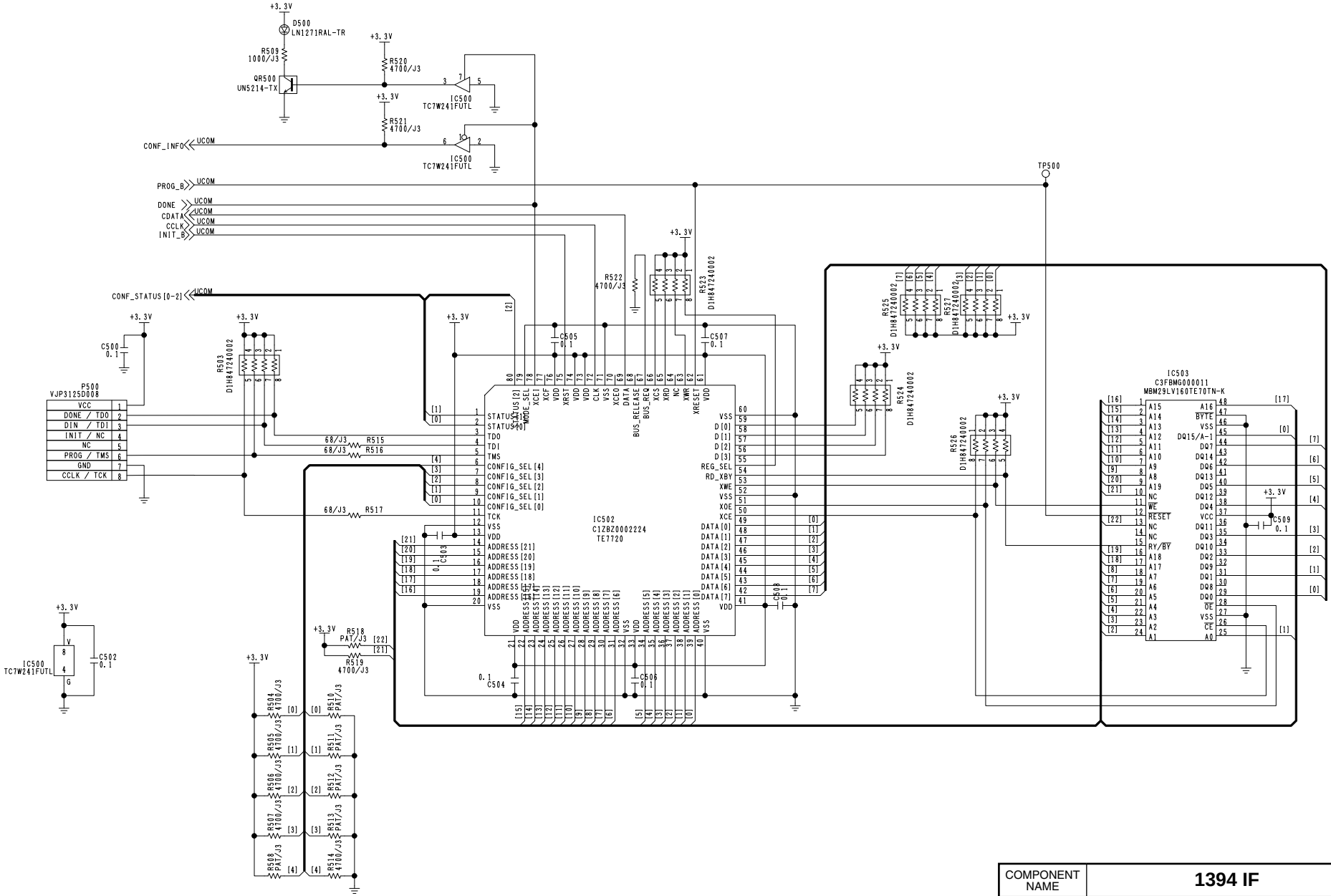
COMPONENT NAME	1394 IF	08/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(8/12)
		SCM112



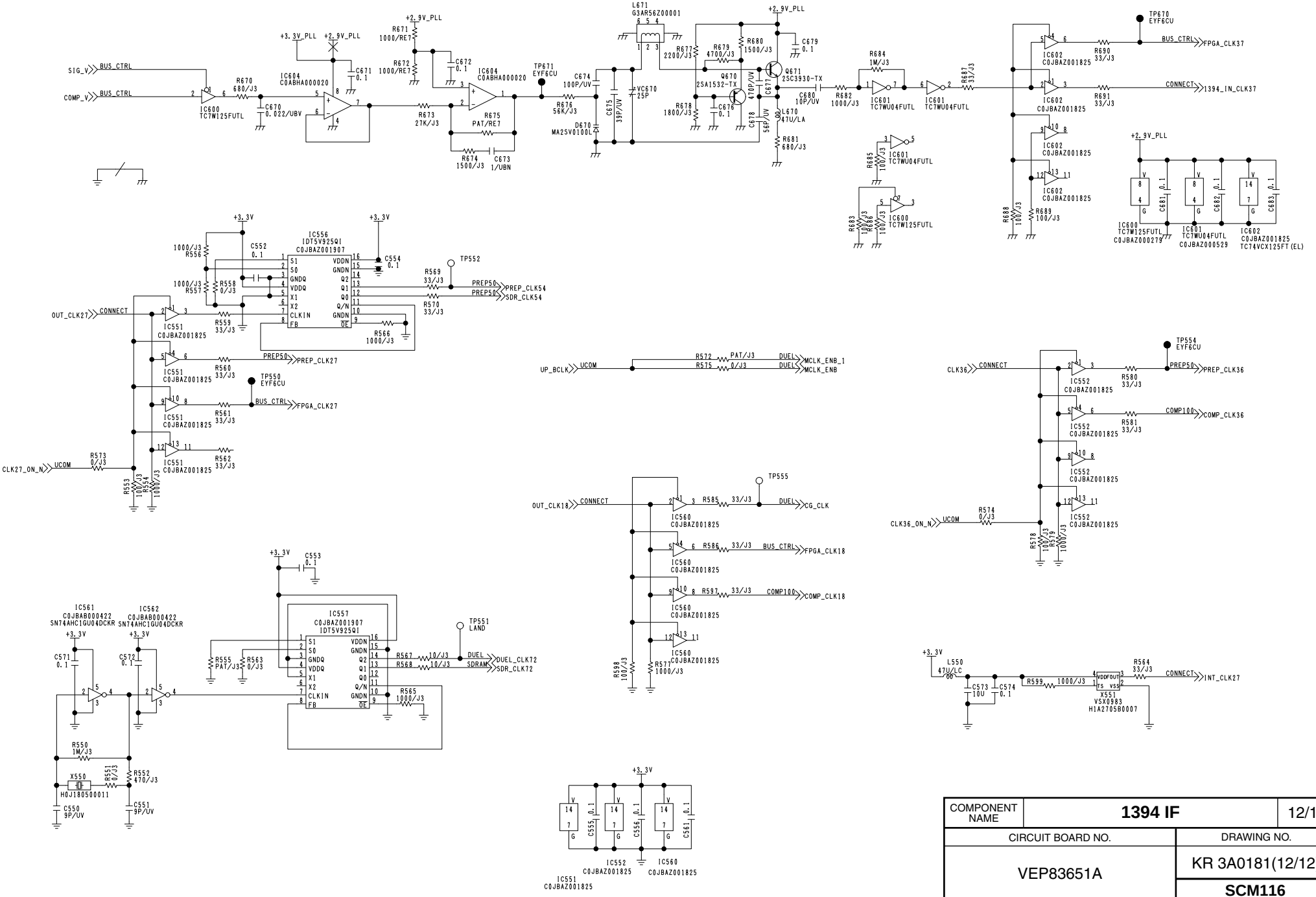
COMPONENT NAME	**1394 IF**	09/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(9/12)
		SCM113



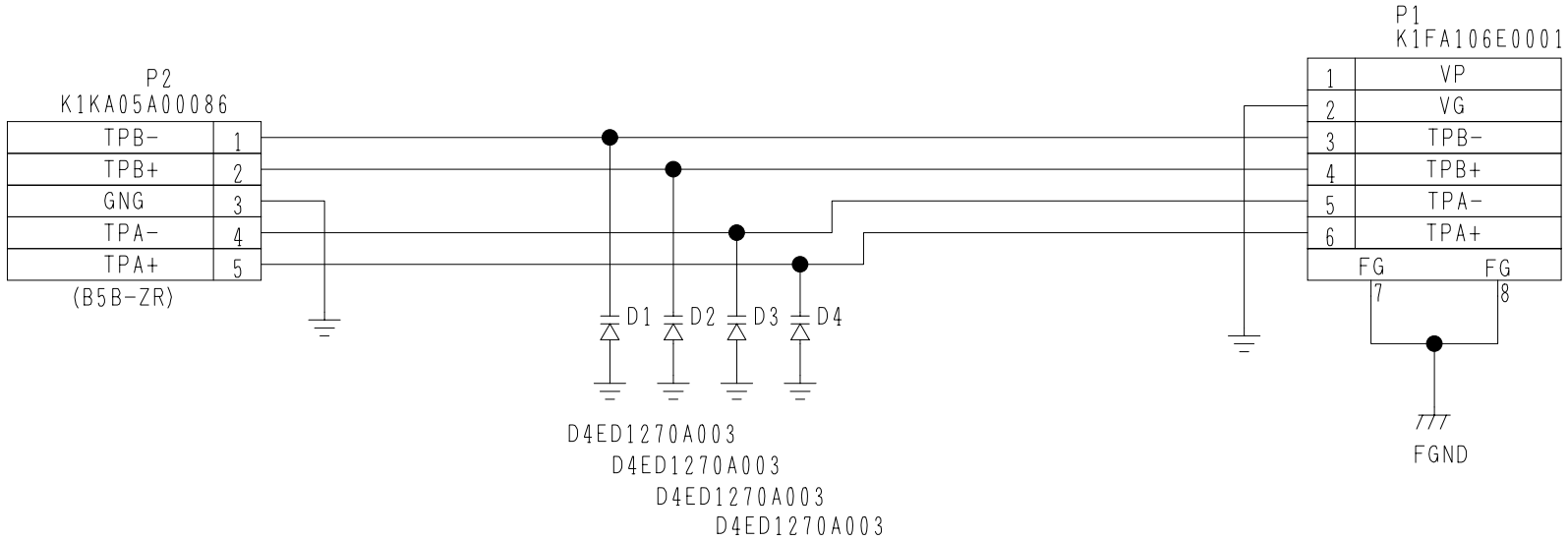
COMPONENT NAME	1394 IF	10/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(10/12)
		SCM114



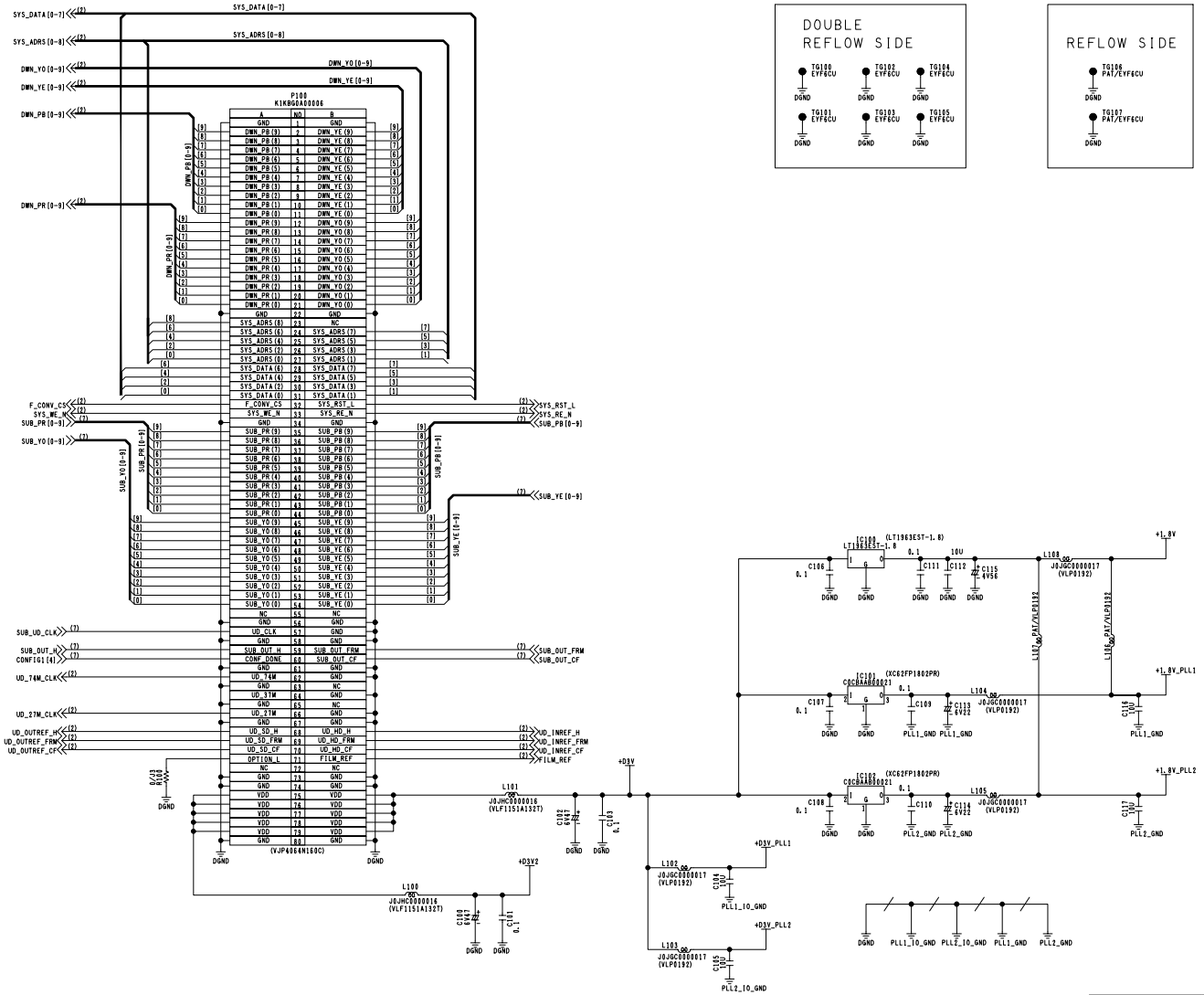
COMPONENT NAME	1394 IF	11/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(11/12)
		SCM115



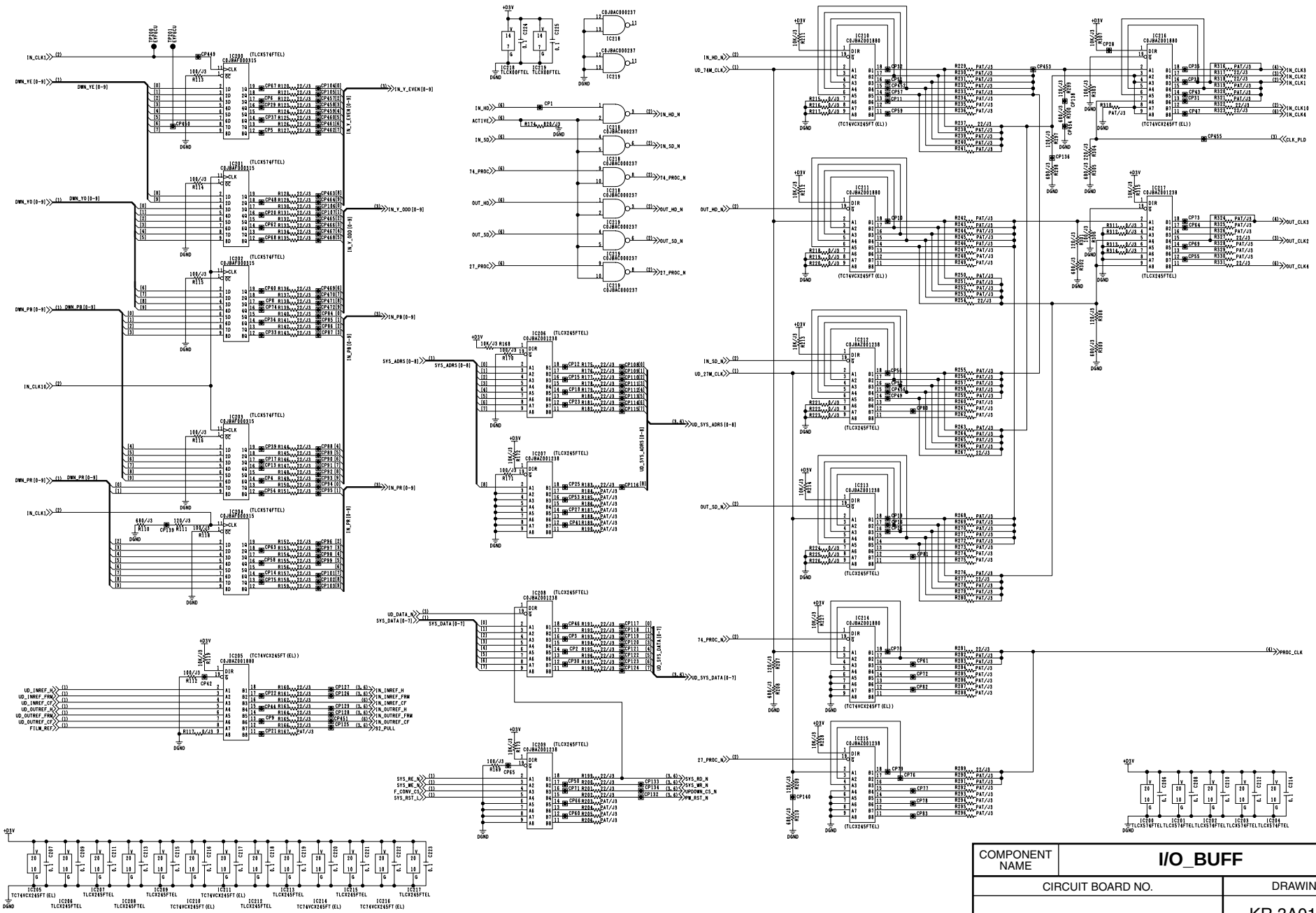
COMPONENT NAME	1394 IF	12/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(12/12)
		SCM116



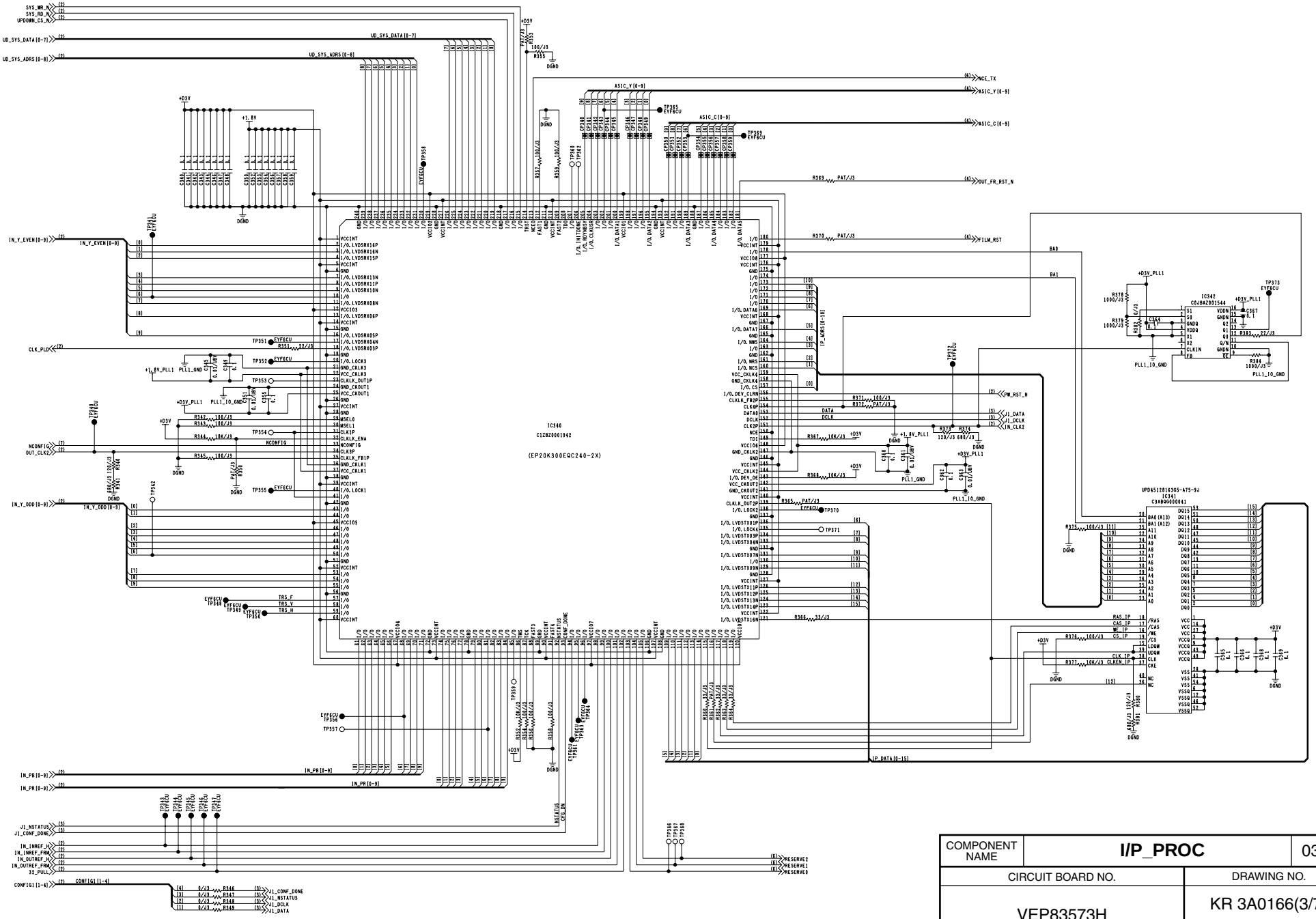
COMPONENT NAME	**1394_JACK**	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP83644A		KR 3A0148(1/1)
		SCM117



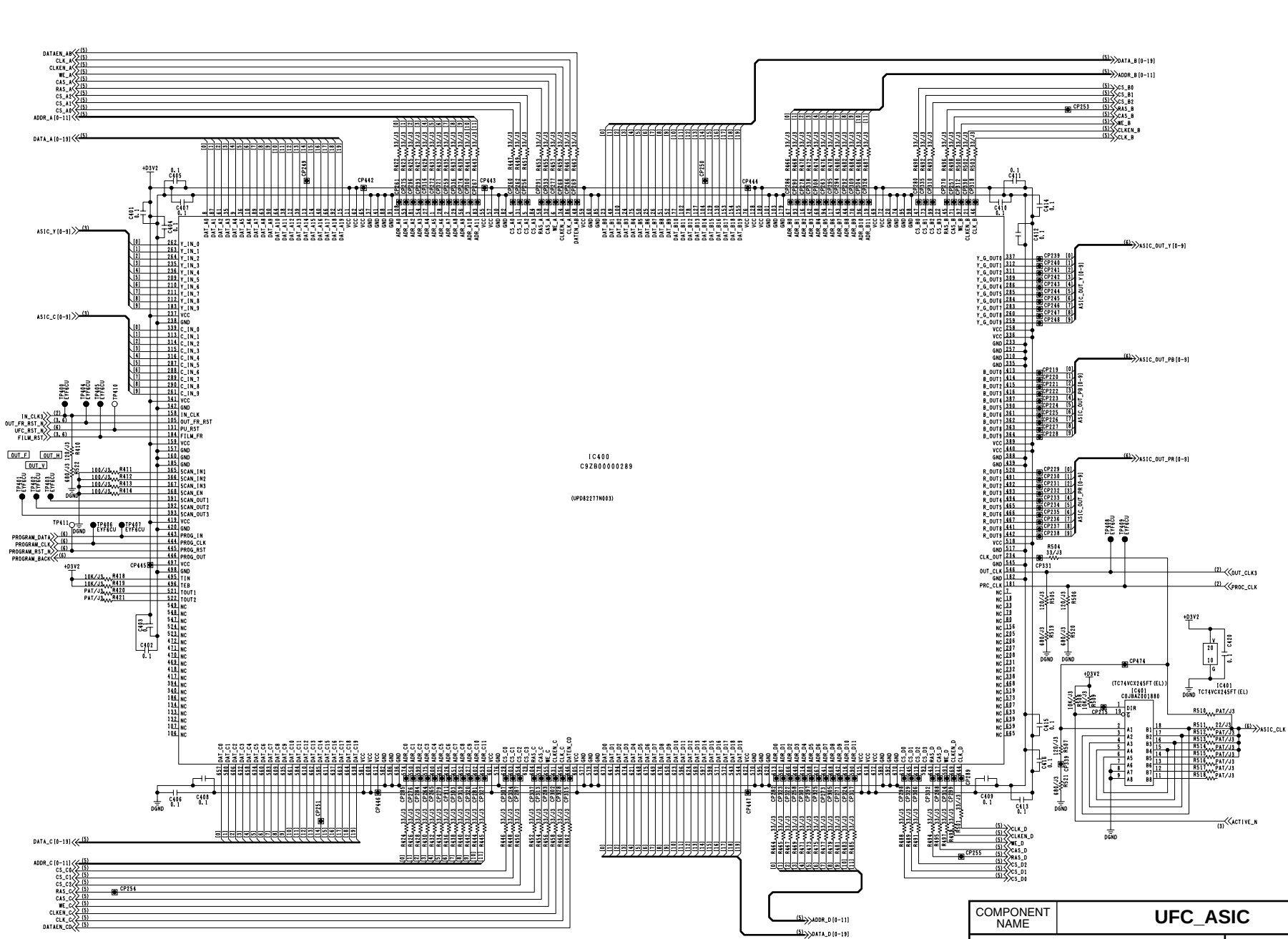
COMPONENT NAME	**CONNECTOR**	01/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(1/7)
		SCM118



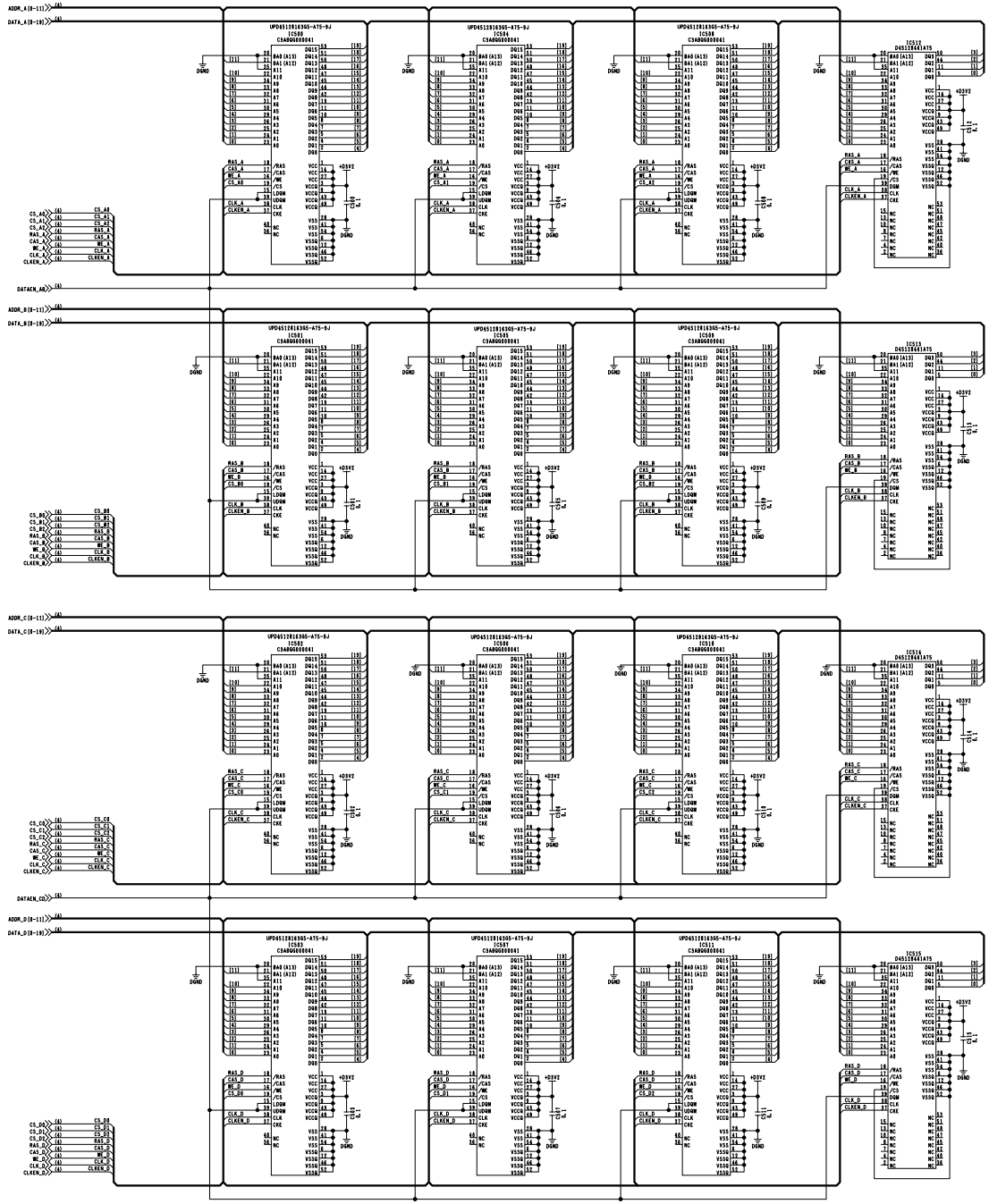
COMPONENT NAME	**I/O_BUFF**	02/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(2/7)
		SCM119



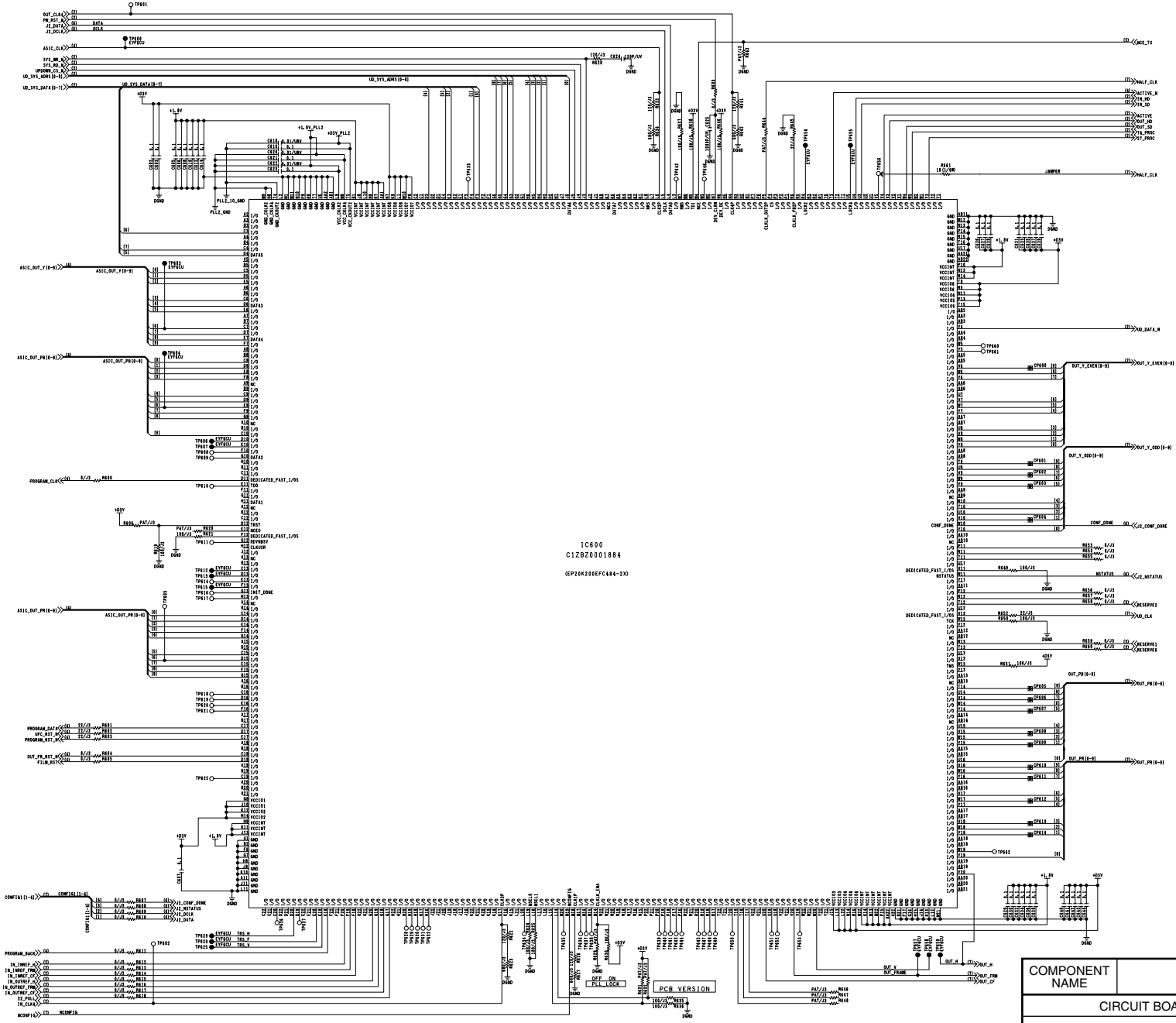
COMPONENT NAME	**I/P_PROC**	03/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(3/7)
		SCM120



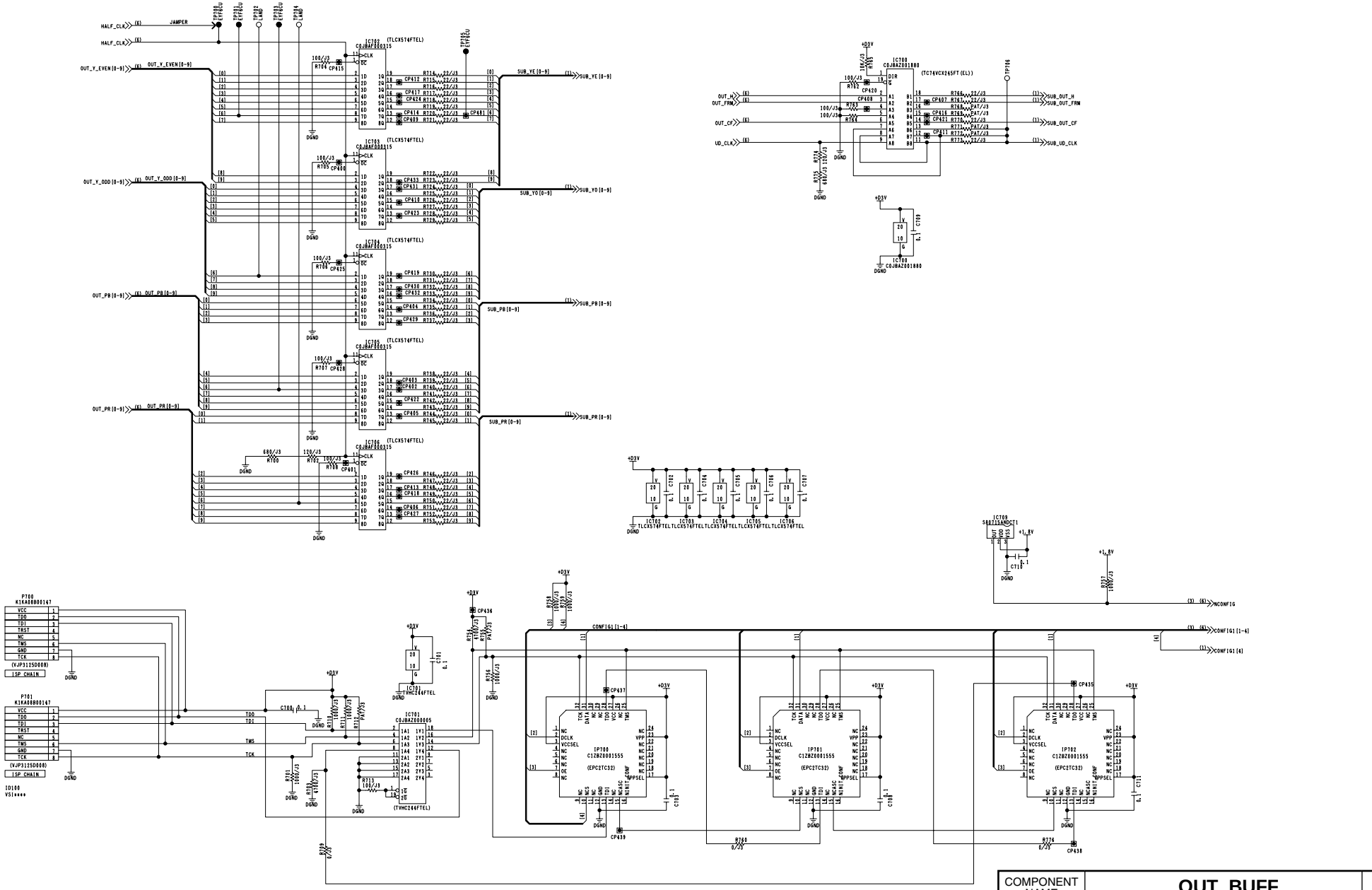
COMPONENT NAME	UFC_ASIC	04/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(4/7)
		SCM121



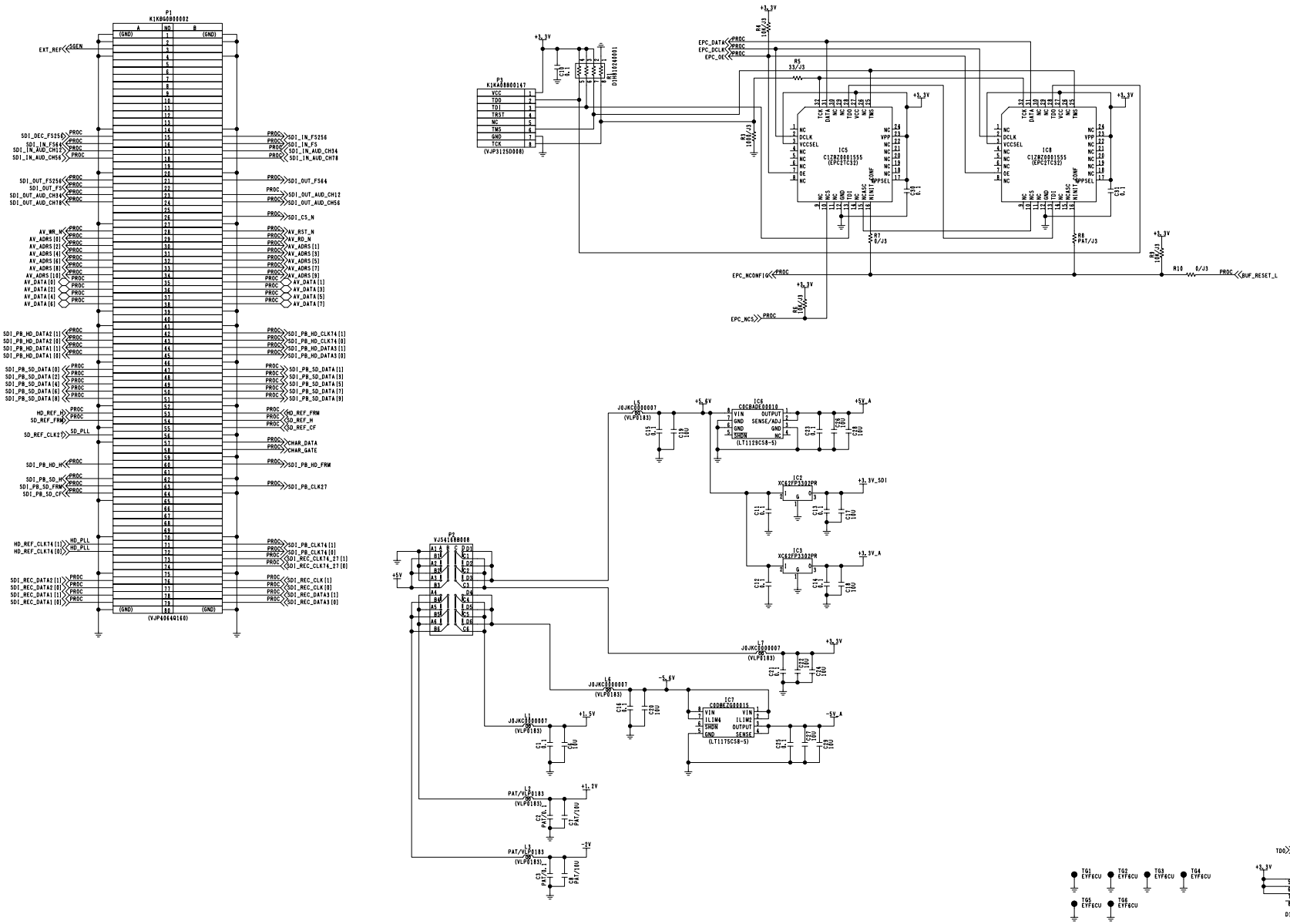
COMPONENT NAME	**SDRAM**	05/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(5/7)
		SCM122



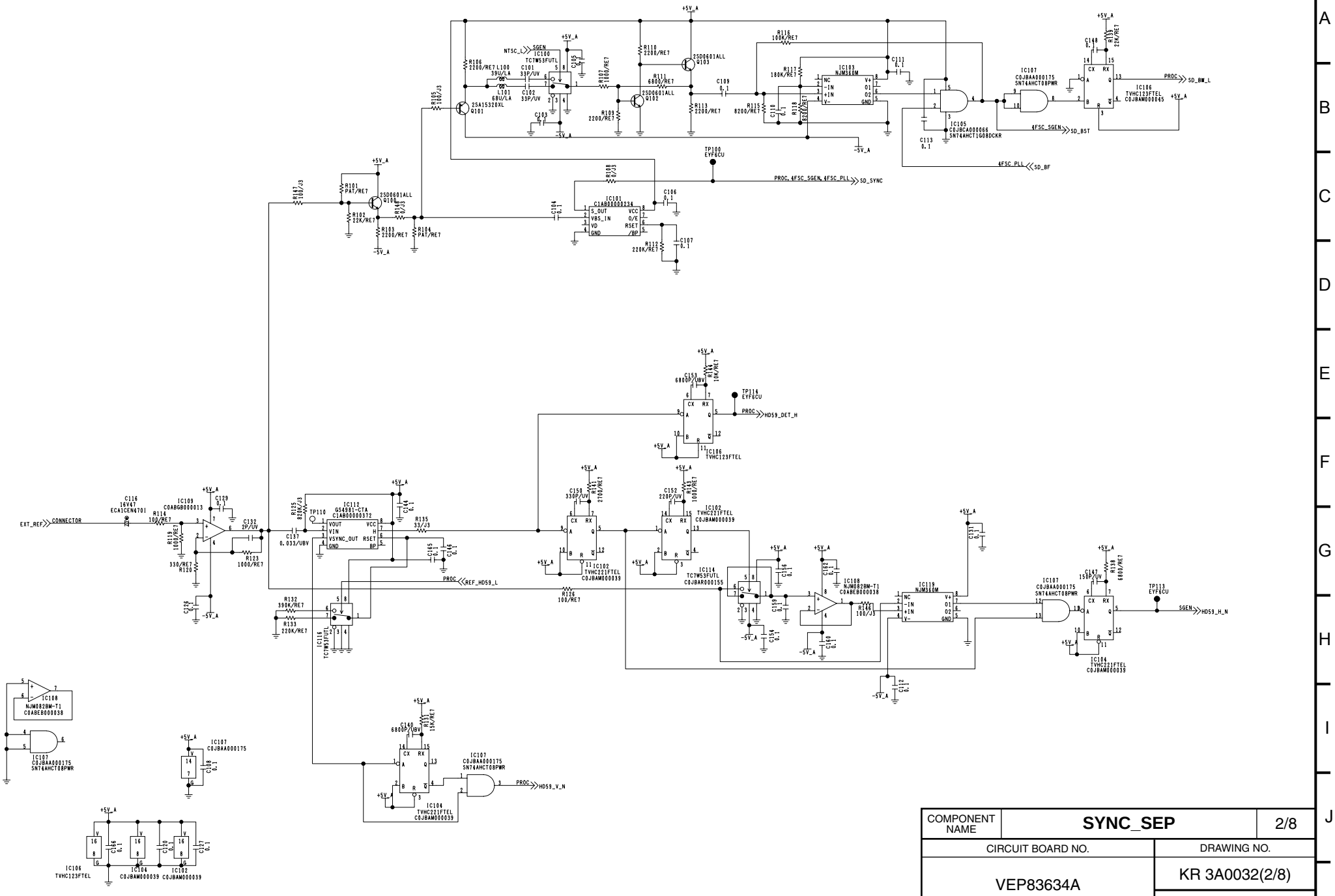
COMPONENT NAME	**OUT_PROC**	06/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(6/7)
		SCM123



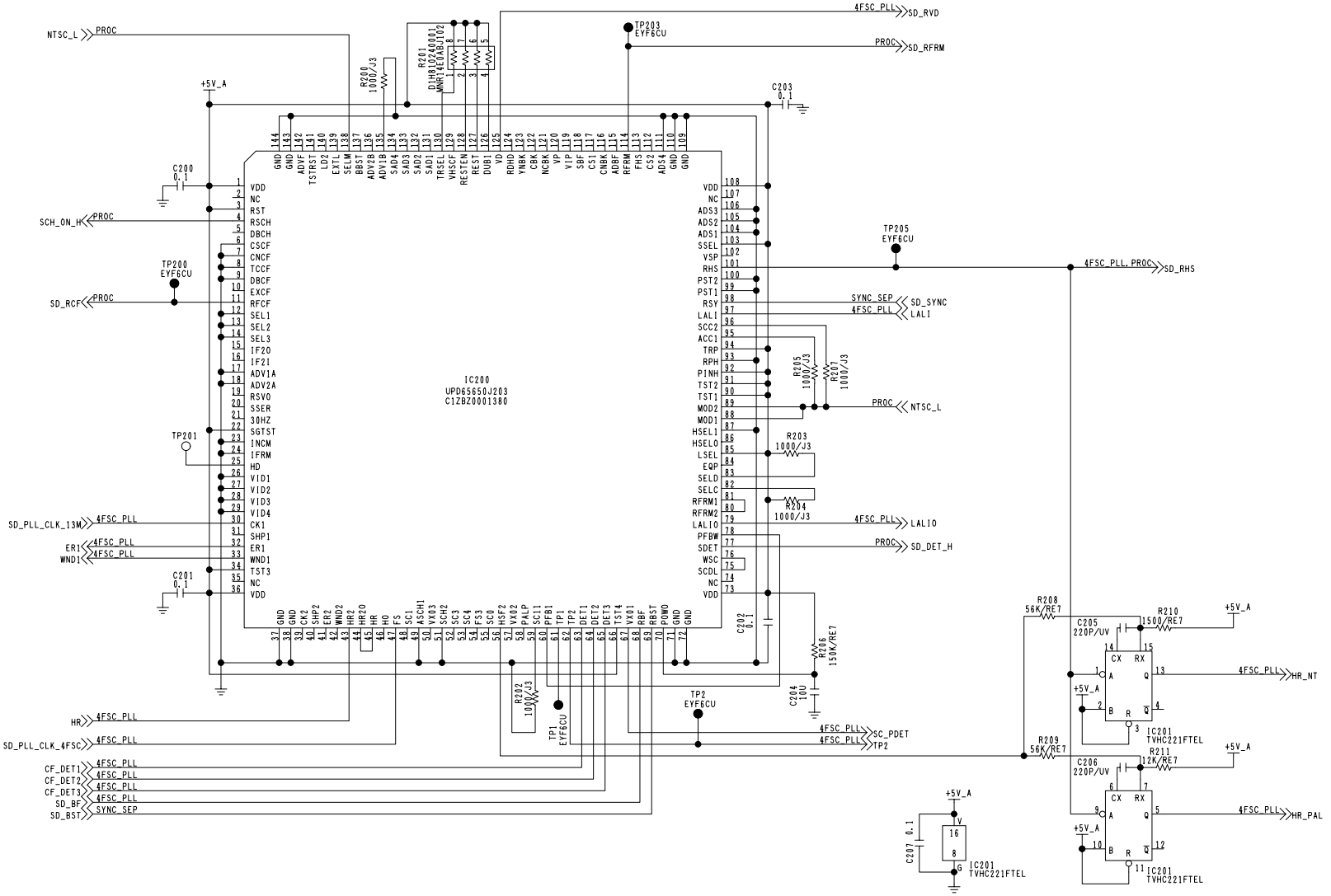
COMPONENT NAME	OUT_BUFF	07/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(7/7)
		SCM124



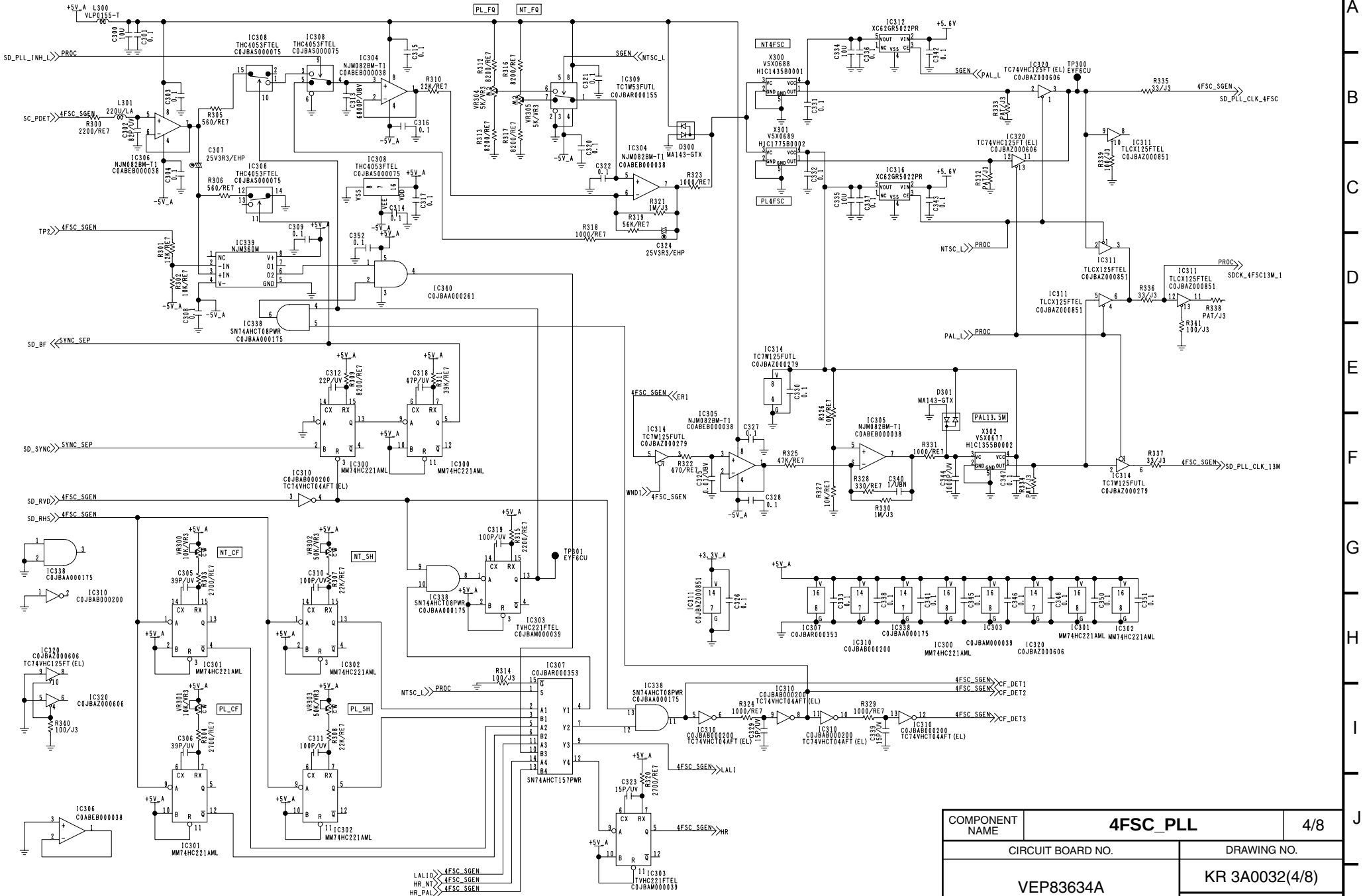
COMPONENT NAME	**CONNECTOR**	1/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(1/8)
		SCM125



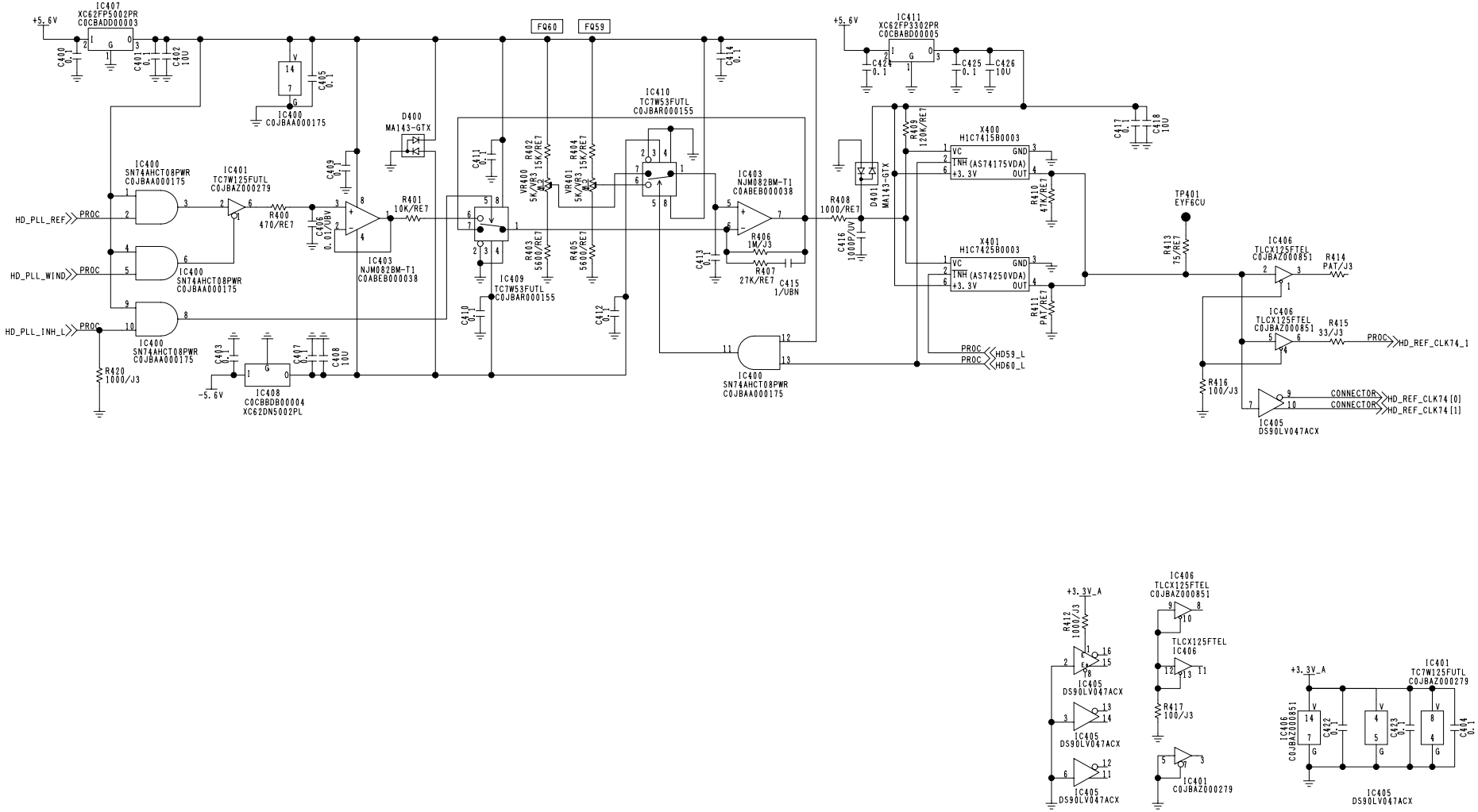
COMPONENT NAME	**SYNC_SEP**	2/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(2/8)
		SCM126



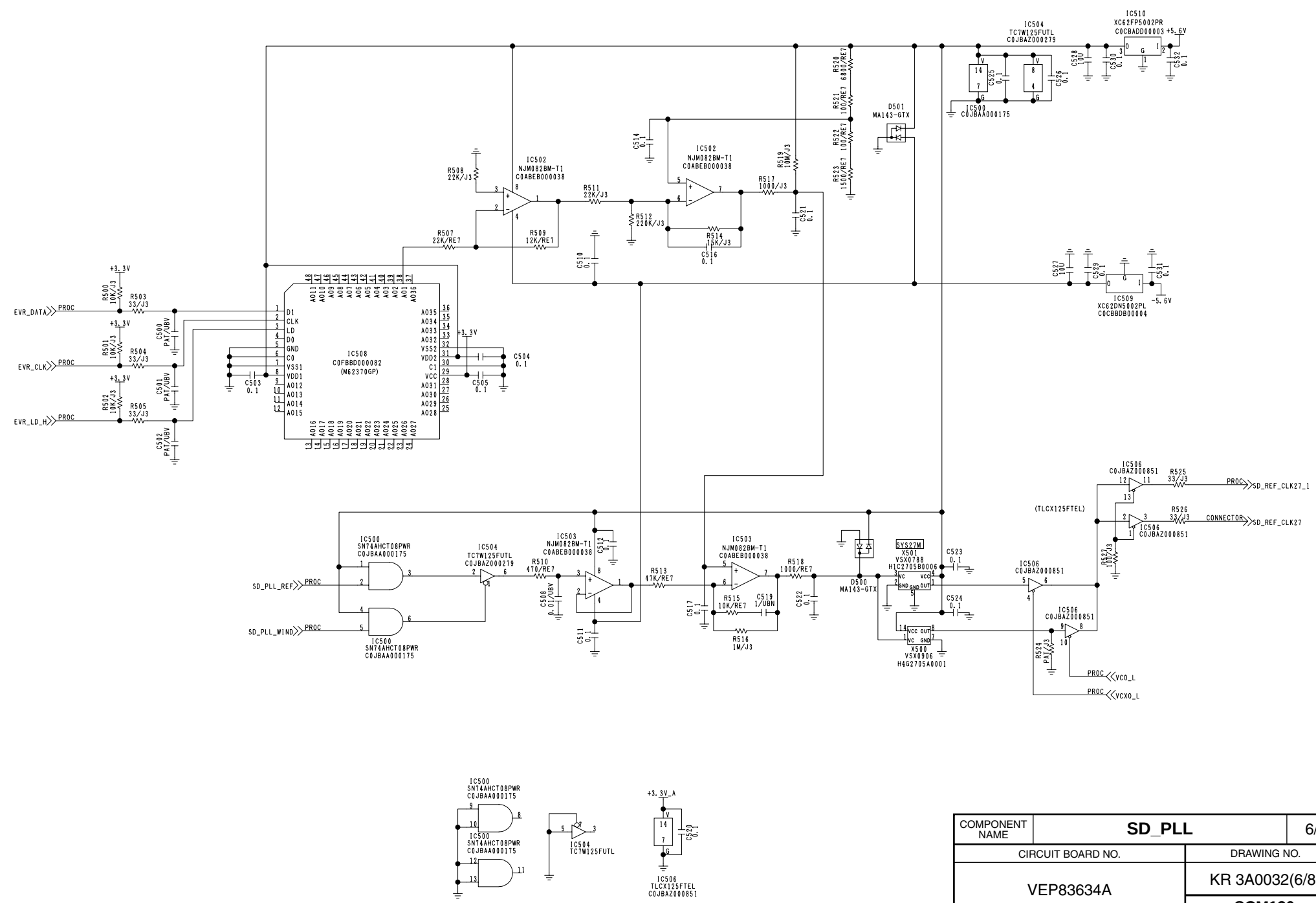
COMPONENT NAME	**4FSC_SGEN**	3/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(3/8)
		SCM127



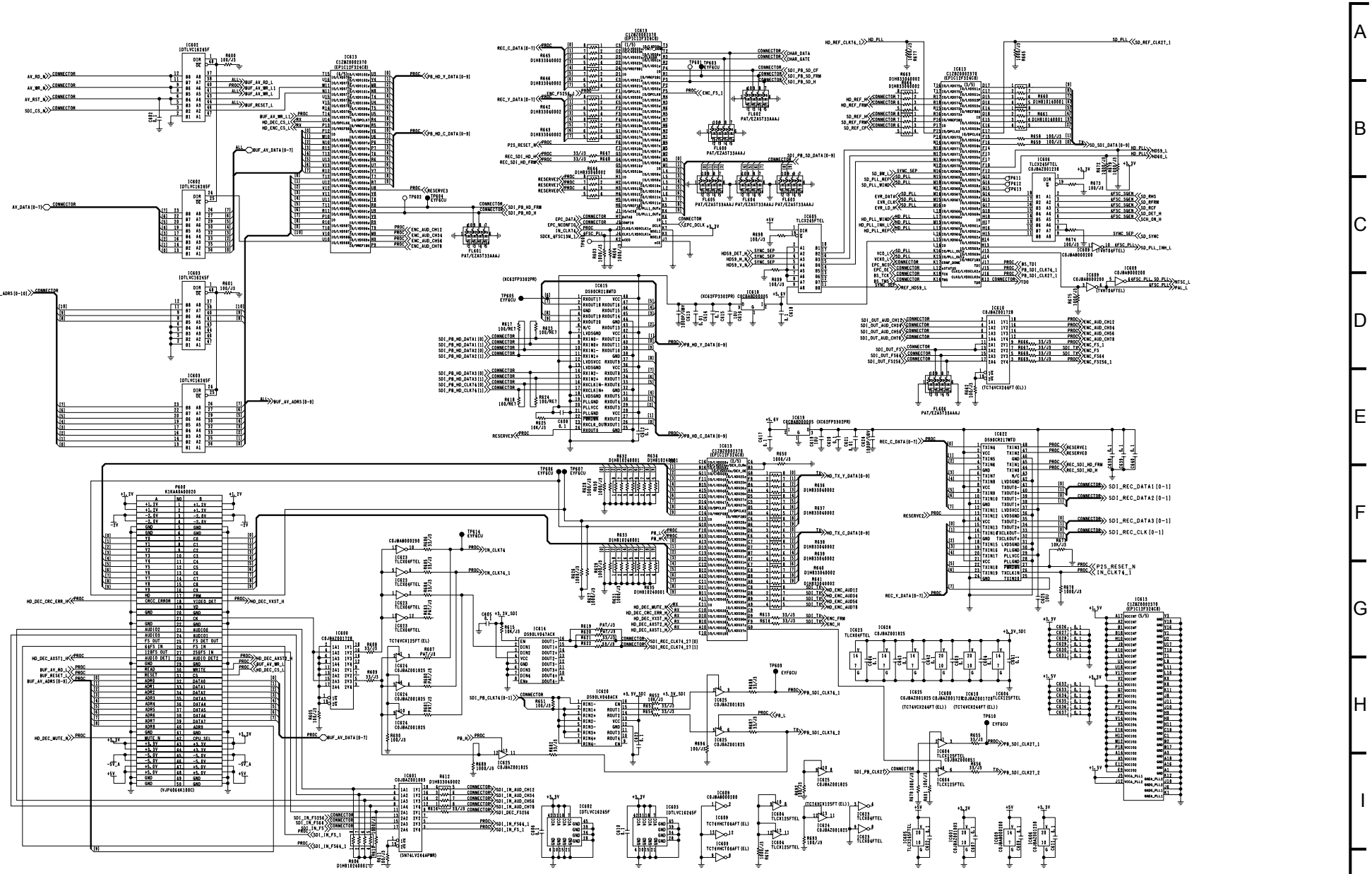
COMPONENT NAME	**4FSC_PLL**	4/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(4/8)
		SCM128



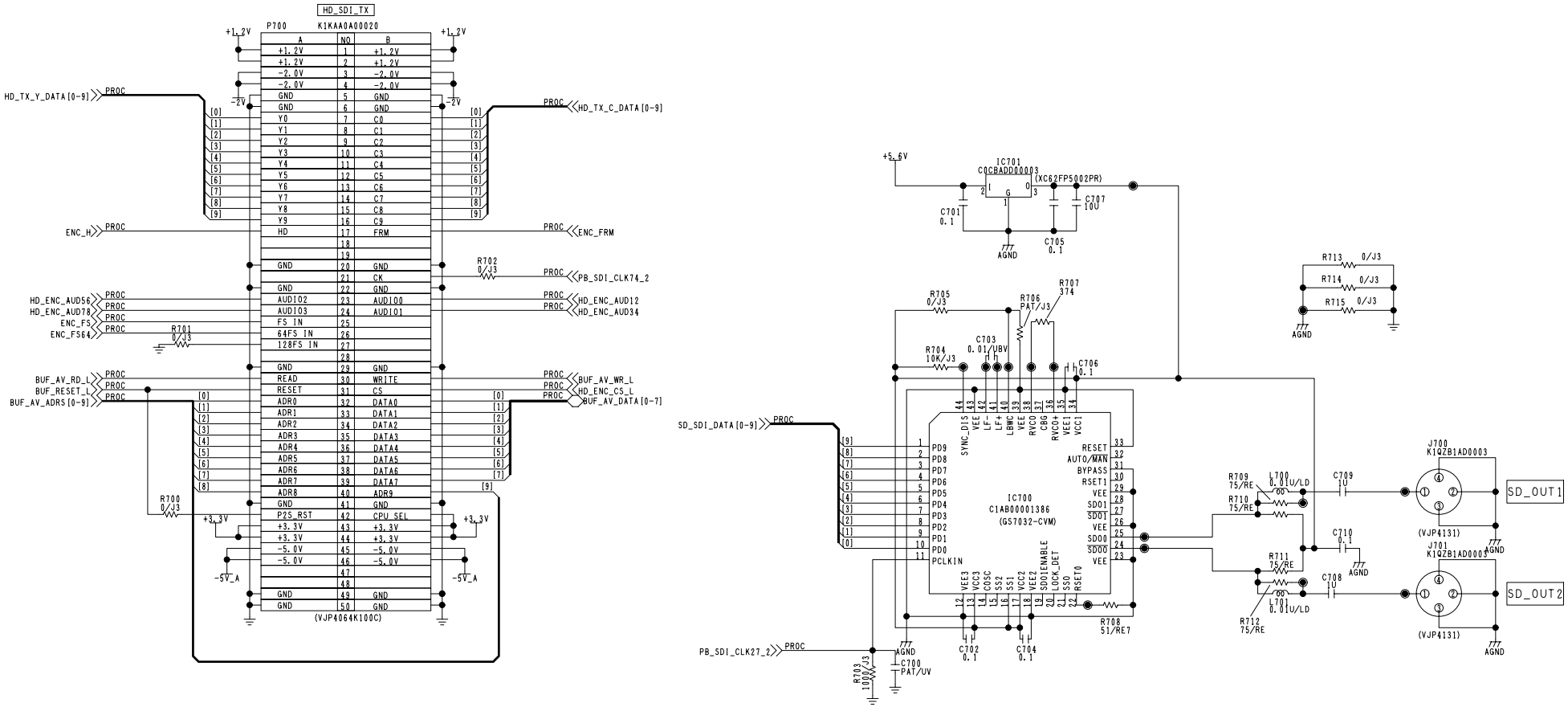
COMPONENT NAME	HD_PLL	5/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(5/8)
		SCM129



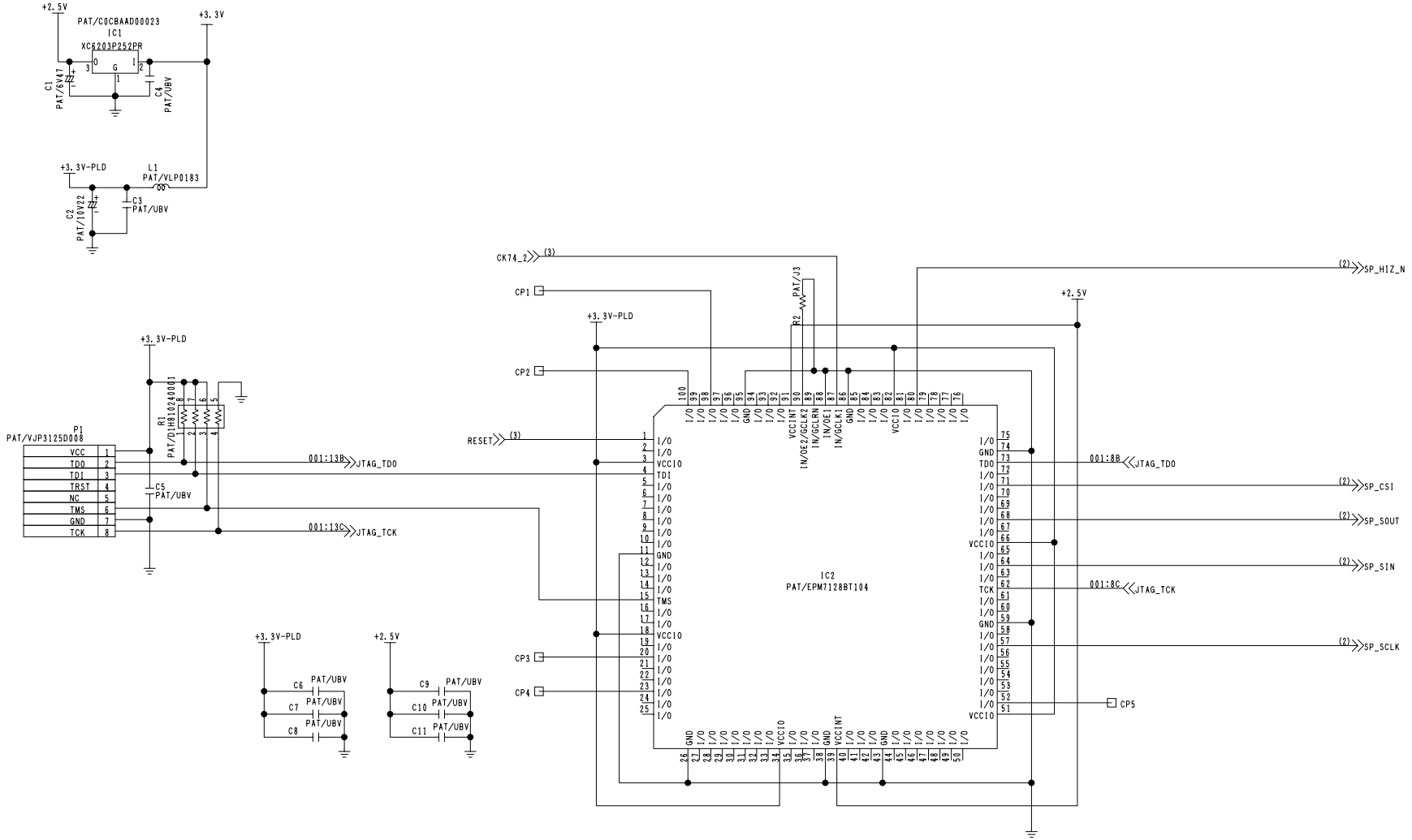
COMPONENT NAME	**SD_PLL**	6/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(6/8)
		SCM130



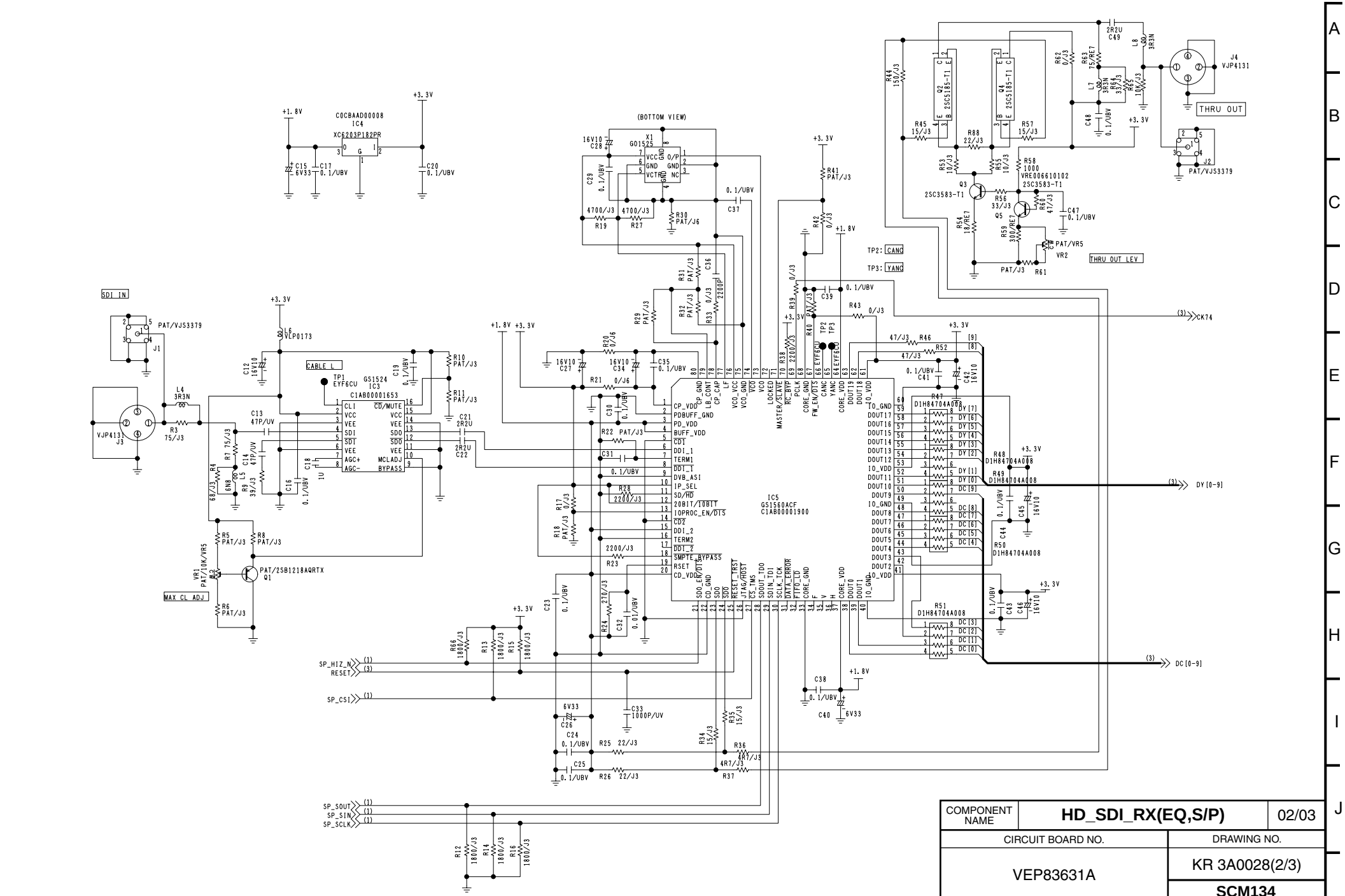
COMPONENT NAME	**HD_SDI_RX&PROC**	7/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(7/8)
		SCM131



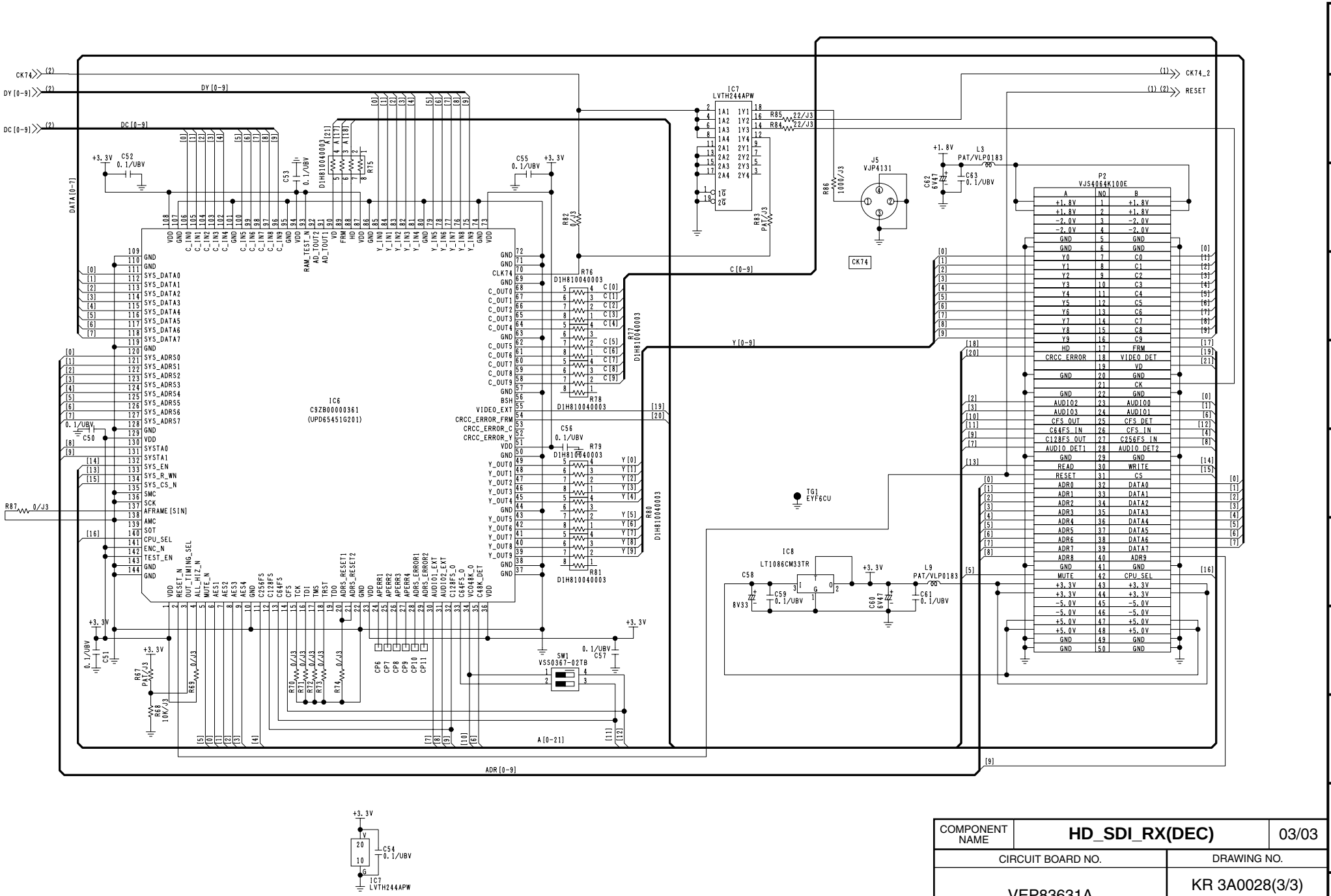
COMPONENT NAME	**SDI_TX**	8/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(8/8)
		SCM132



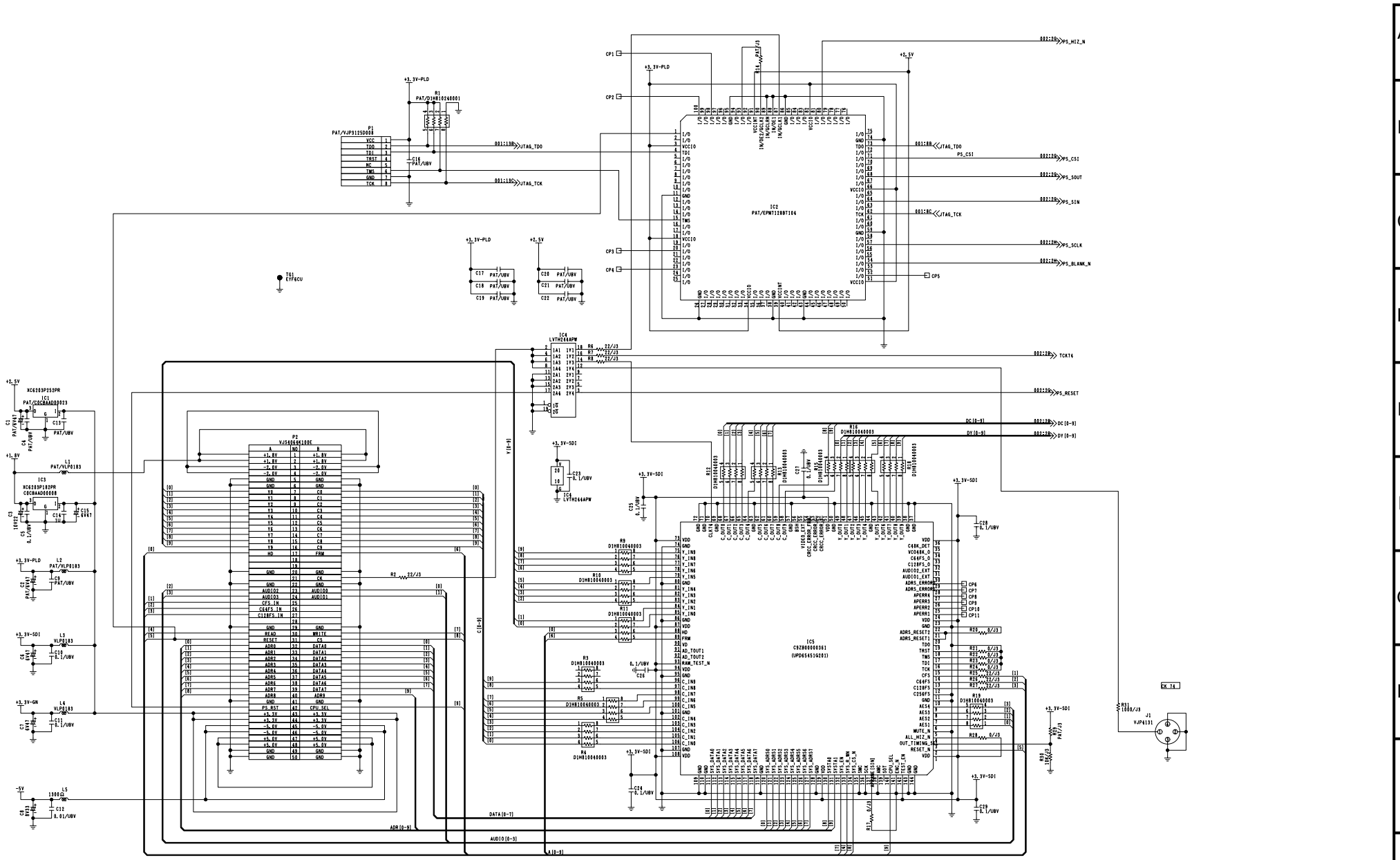
COMPONENT NAME	**HD_SDI_RX(PLD)**	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83631A		KR 3A0028(1/3)
		SCM133



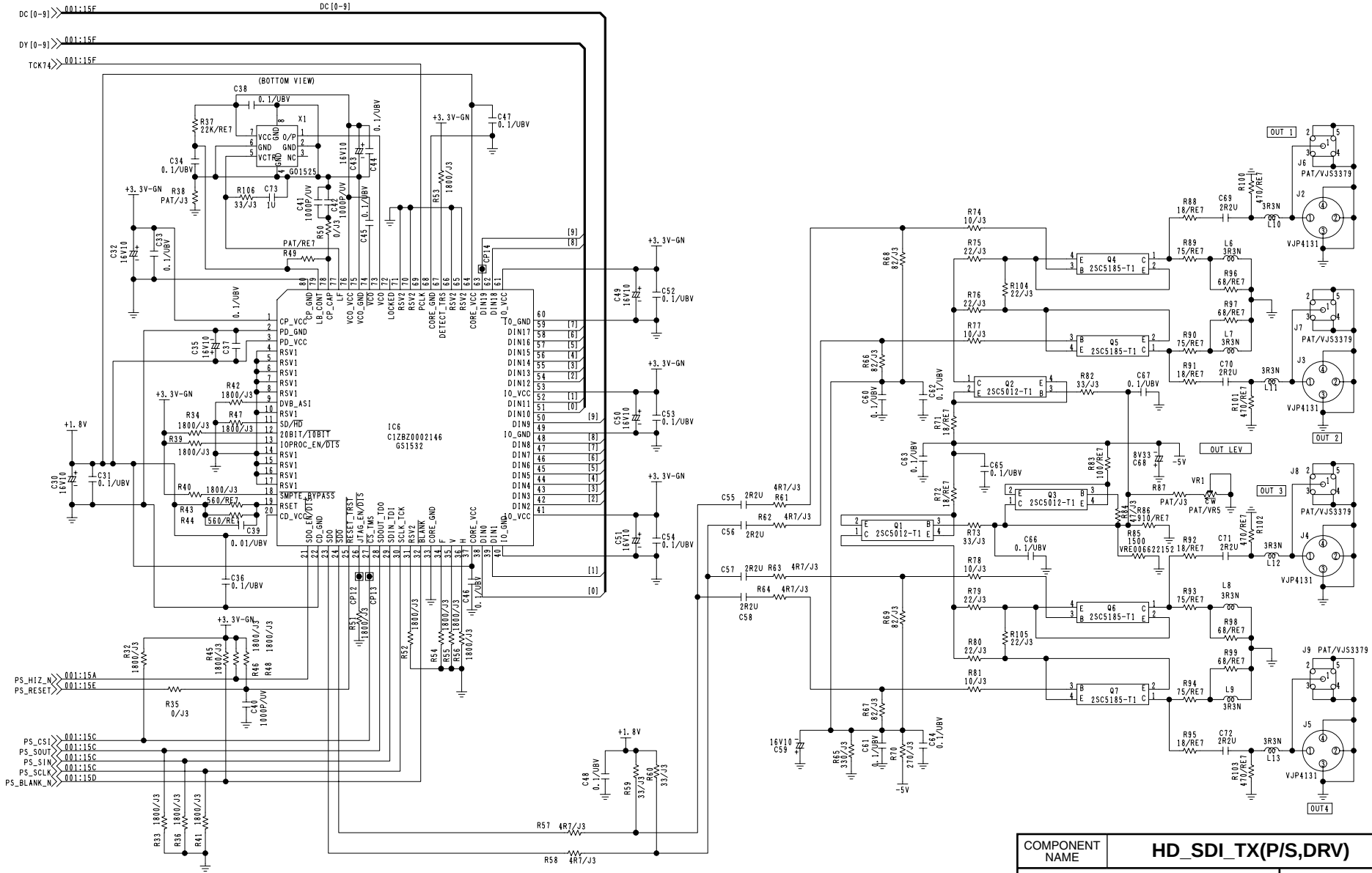
COMPONENT NAME	HD_SDI_RX(EQ,S/P)	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83631A		KR 3A0028(2/3)
		SCM134



COMPONENT NAME	**HD_SDI_RX(DEC)**	03/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83631A		KR 3A0028(3/3)
		SCM135



COMPONENT NAME	HD_SDI_TX(ENC/PLD)	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP83632A		KR 3A0029(1/2)
		SCM136



COMPONENT NAME	**HD_SDI_TX(P/S,DRV)**	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83632A	KR 3A0029(2/2)	
	SCM137	

SECTION 7

MAJOR PART LOCATION

NOTE:
DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

CAUTION

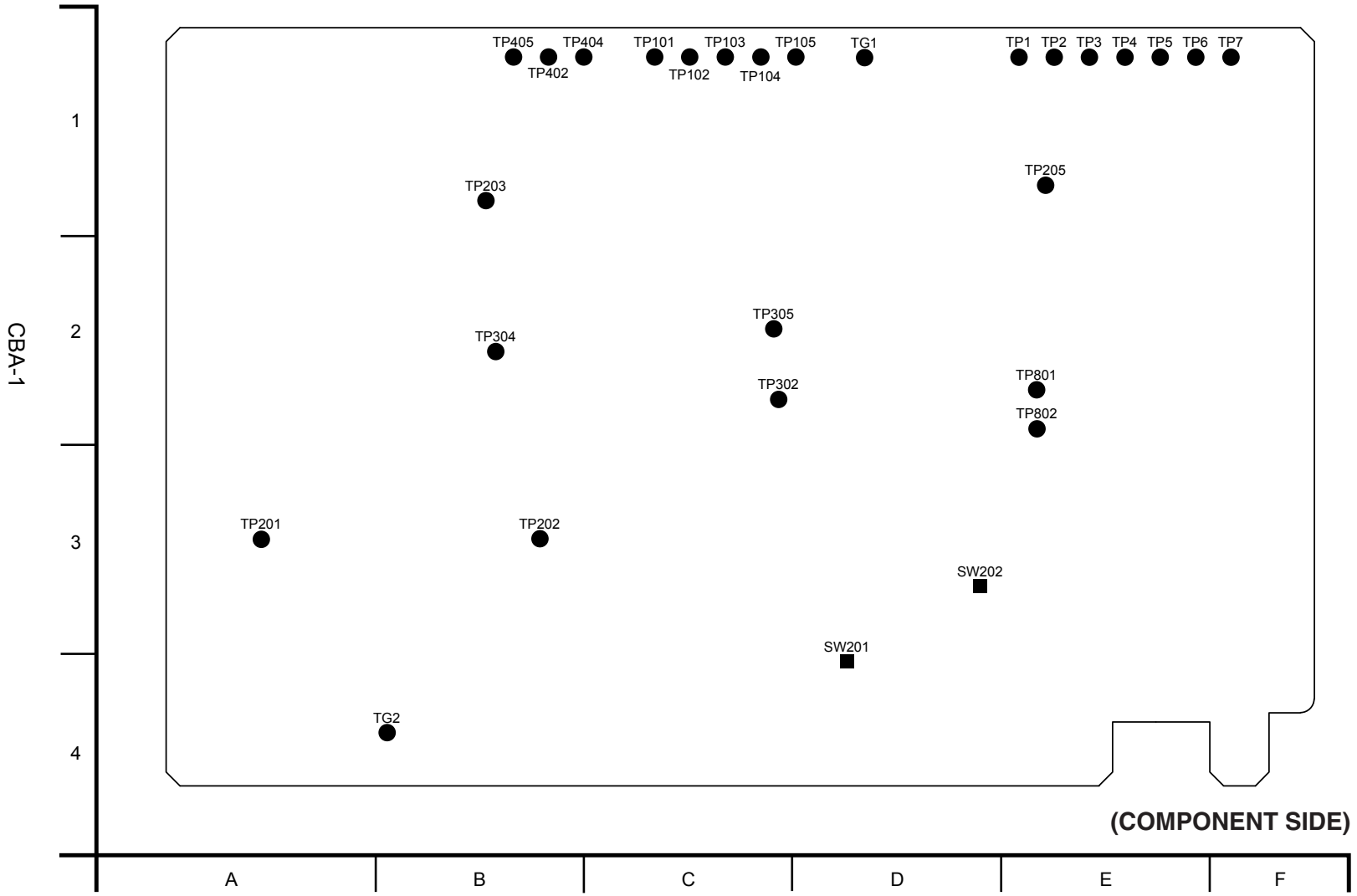
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

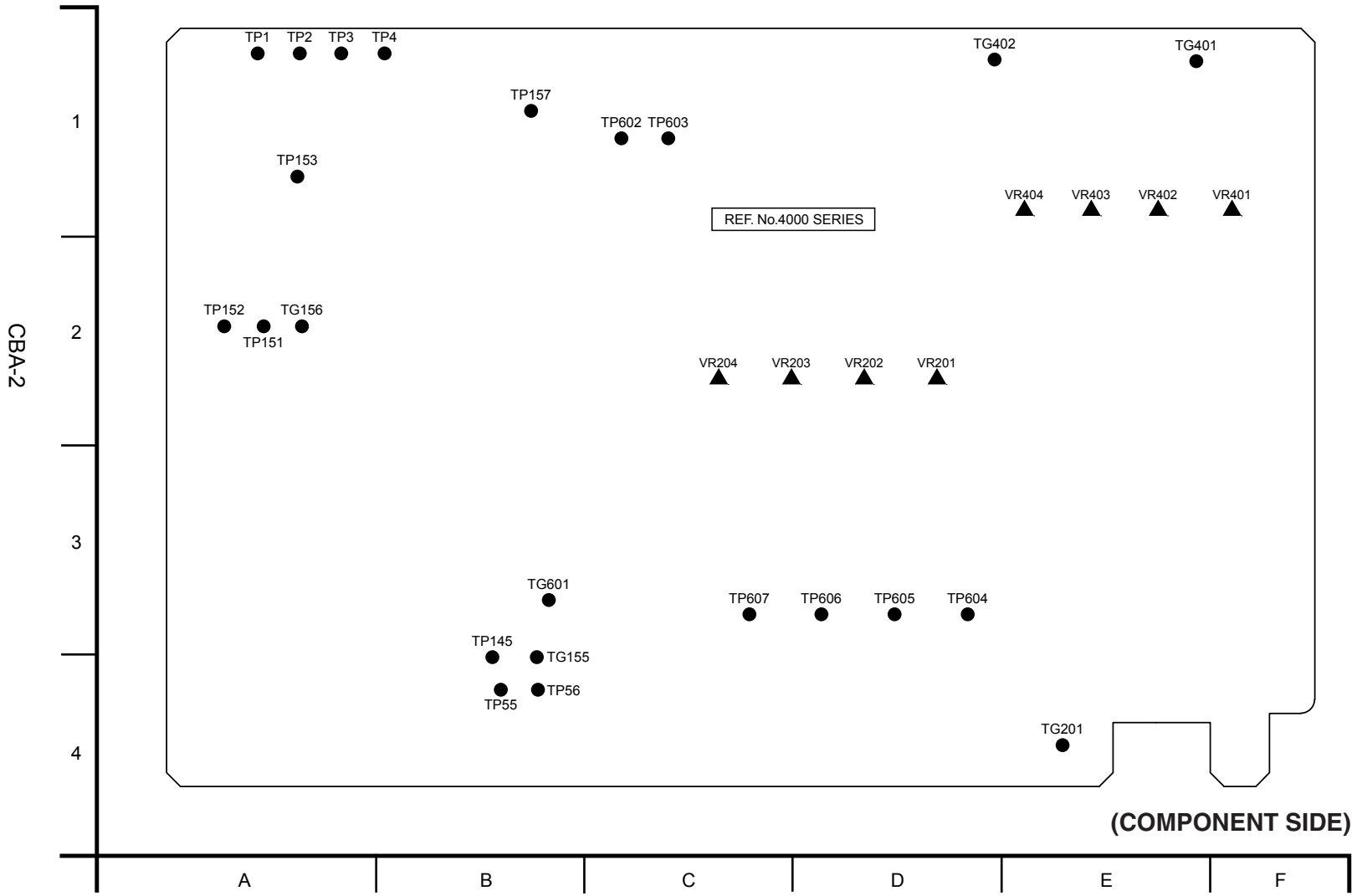
RF/EQ P.C.B. (VEP85214).....CBA-1
APROC P.C.B. (VEP84393).....CBA-2
REC PB P.C.B. (VEP83624).....CBA-3
V OUT SYS P.C.B. (VEP83625).....CBA-4
RF/CUE P.C.B. (VEP85215).....CBA-5
SERVO P.C.B. (VEP82249).....CBA-7
MECHA IF P.C.B. (VEP82250).....CBA-8
UDC P.C.B. (VEP83573).....CBA-10
SGEN SDI P.C.B. (VEP83634).....CBA-12
1394 IF P.C.B. (VEP83628/83651).....CBA-14
RF/EQ P.C.B. (VEP85214).....CBA-15
APROC P.C.B. (VEP84393).....CBA-15
REC PB P.C.B. (VEP83624).....CBA-16
SERVO P.C.B. (VEP82249).....CBA-16
MOTHER P.C.B. (VEP80C73).....CBA-17
FRONT KEY P.C.B. (VEP86344).....CBA-18
FRONT P.C.B. (VEP86343).....CBA-18

RF/EQ P.C.BOARD (VEP85214) [F1]



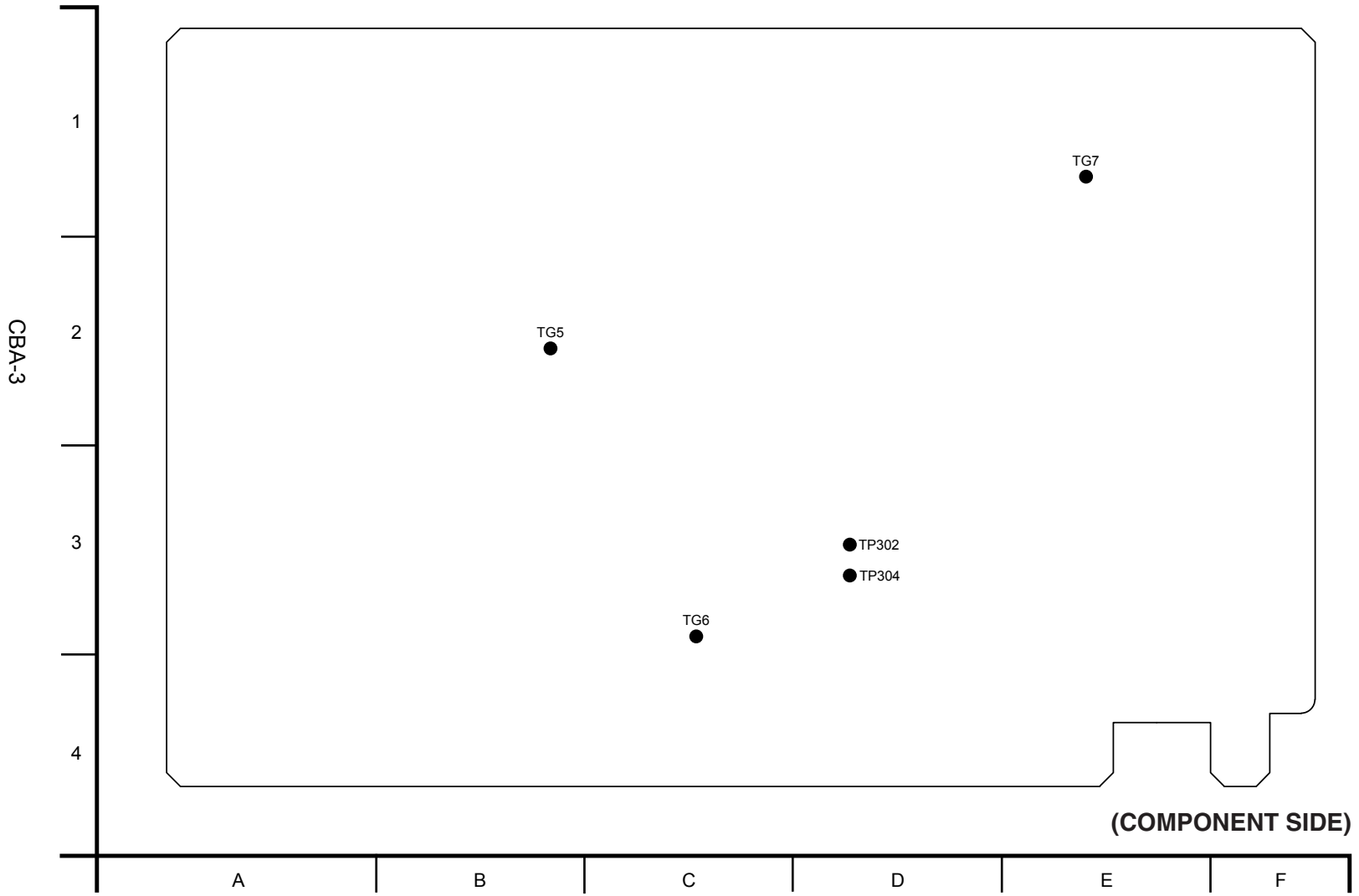
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IC3	E2	Q202	D3
IC4	E1	Q306	B3
IC5	E1	Q307	B4
IC6	E2	Q406	C3
IC7	E2	Q407	C4
IC8	E2	Q507	B1
IC9	E1	Q557	C1
IC101	F1	Q607	D1
IC102	E1	Q702	C3
IC103	E1	Q732	B2
IC104	F2	Q762	D2
IC105	E2	Q802	E3
IC106	F2	Q803	E3
IC107	F1	QR1302	F3
IC203	D3	QR1303	F3
IC206	D4	QR1304	E3
IC301	B3	QR1305	E3
IC302	B3	QR1306	E3
IC351	A4	QR1307	E3
IC401	C3	QR1308	F3
IC402	C3	QR1309	F3
IC451	C4	QR1310	F3
IC501	A1		
IC502	B1		
IC551	C1	SW201	D4
IC552	C1	SW202	D3
IC601	D1		
IC602	D1		
IC701	D3	TG1	D1
IC731	B2	TG2	B4
IC761	D2	TP1	E1
IC801	B3	TP2	E1
IC805	D2	TP3	E1
IC806	D2	TP4	E1
IC901	C3	TP5	E1
IC904	A2	TP6	E1
IC1001	B2	TP7	F1
IC1101	C2	TP101	C1
IC1201	D2	TP102	C1
IC1301	F3	TP103	C1
IC1303	E3	TP104	C1
IC1304	E3	TP105	D1
IC1305	E3	TP201	A3
		TP202	B3
		TP203	B1
P1	C4	TP204	C1
P2	E3	TP205	E1
P3	B1	TP302	C2
P4	A1	TP304	B2
		TP305	C2
		TP402	B1
		TP404	C1
		TP405	B1
		TP801	E2
		TP802	E2

APROC P.C.BOARD (VEP84393) [F2]



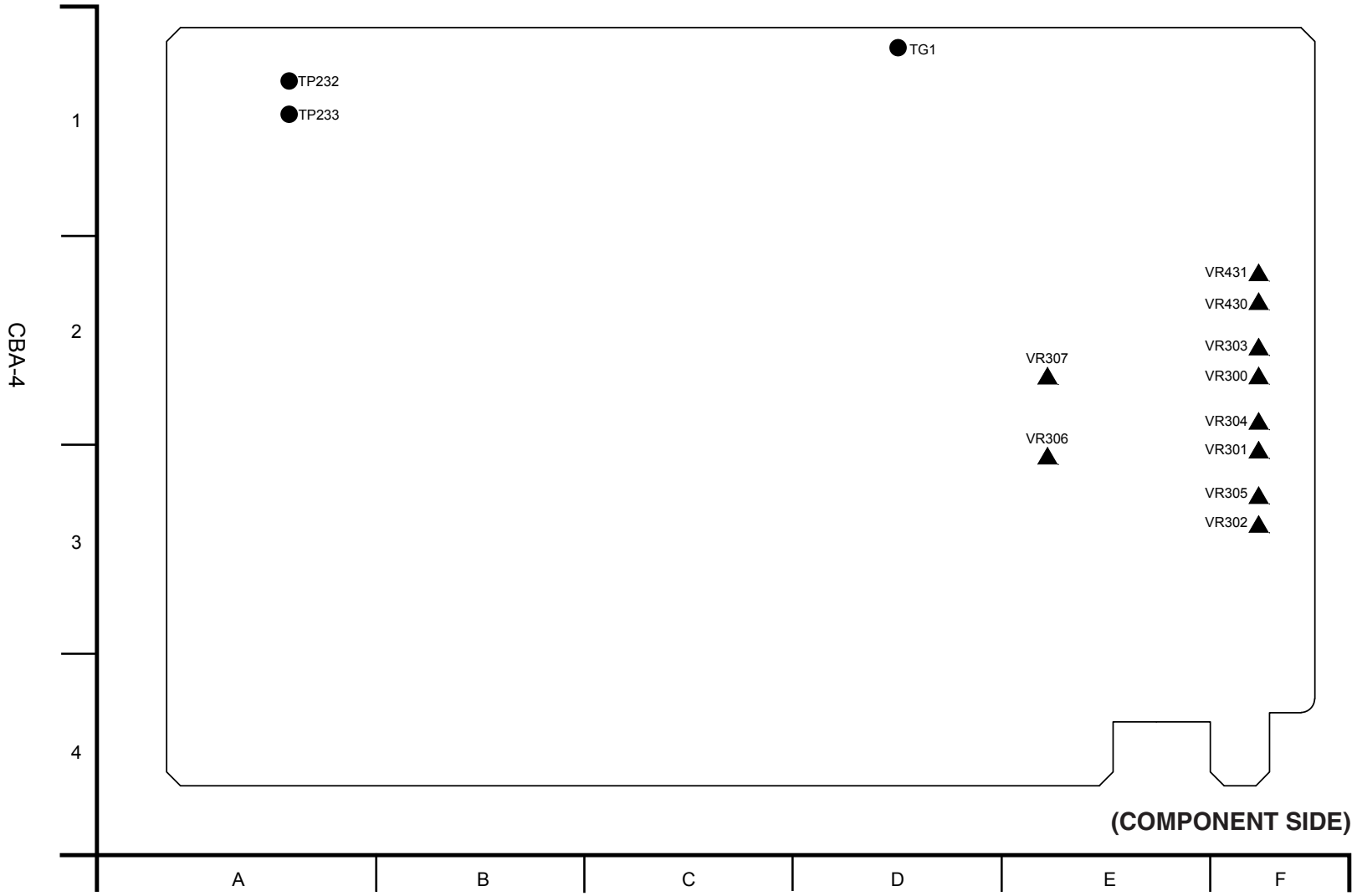
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IC4004	A1	P4001	C4
IC4005	A1	P4002	B1
IC4007	B3		
IC4058	B2		
IC4059	B3	Q4604	C4
IC4109	B3	QR4601	C4
IC4110	A3	QR4602	C4
IC4111	A3		
IC4112	B3		
IC4163	B2	TG4155	B4
IC4167	A4	TG4156	A2
IC4169	B1	TG4157	B1
IC4170	B2	TG4201	E4
IC4171	A3	TG4401	E1
IC4172	B1	TG4402	D1
IC4173	A4	TG4601	B3
IC4205	F3	TP4001	A1
IC4206	E3	TP4002	A1
IC4207	E3	TP4003	A1
IC4208	E3	TP4004	B1
IC4221	F3	TP4055	B4
IC4222	E3	TP4056	B4
IC4223	E3	TP4151	A2
IC4224	E3	TP4152	A2
IC4225	F2	TP4153	A1
IC4226	E2	TP4154	B4
IC4227	E2	TP4602	C1
IC4228	E2	TP4603	C1
IC4409	E1	TP4604	D3
IC4410	D1	TP4605	D3
IC4411	C1	TP4606	D3
IC4601	D3	TP4607	C3
IC4602	C3		
IC4603	D4		
IC4606	D3	VR4201	D2
IC4607	D3	VR4202	D2
IC4613	D3	VR4203	C2
IC4615	D3	VR4204	C2
IC4617	C3	VR4401	F1
IC4618	D3	VR4402	E1
IC4620	D3	VR4403	E1
IC4622	C3	VR4404	E1
IC4624	D3		
IC4626	C3		
IC4639	C1		
IC4642	C1		
IC4646	C1		
IC4805	C2		

REC PB P.C.BOARD (VEP83624) [F3]



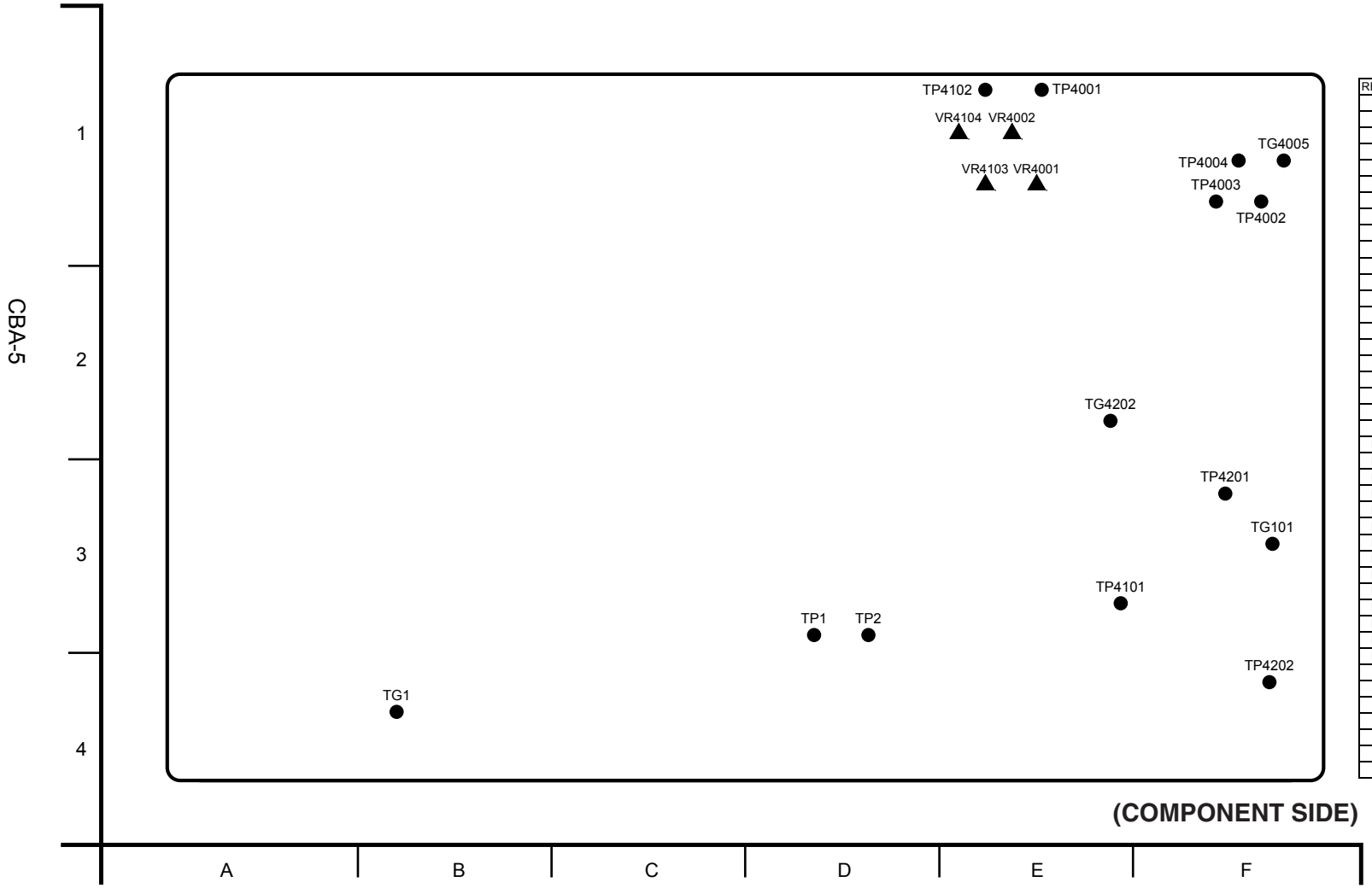
REF	LOC
IC1	B3
IC2	C4
IC3	B3
IC4	B3
IC53	C3
IC100	C2
IC150	A2
IC157	A2
IC158	D3
IC250	B1
IC251	A1
IC300	D2
IC370	F3
IC372	F3
IC373	E2
IC450	E1
IC500	E3
IC556	A4
IC558	D4
IC559	D4
IC560	D4
IC561	C4
IC660	D1
P1	C4
P2	E3
P3	E1
P300	D1
P651	E1
TG5	B2
TG6	C3
TG7	E1
TP302	D3
TP304	D3

V OUT SYS P.C.BOARD (VEP83625) [F4]



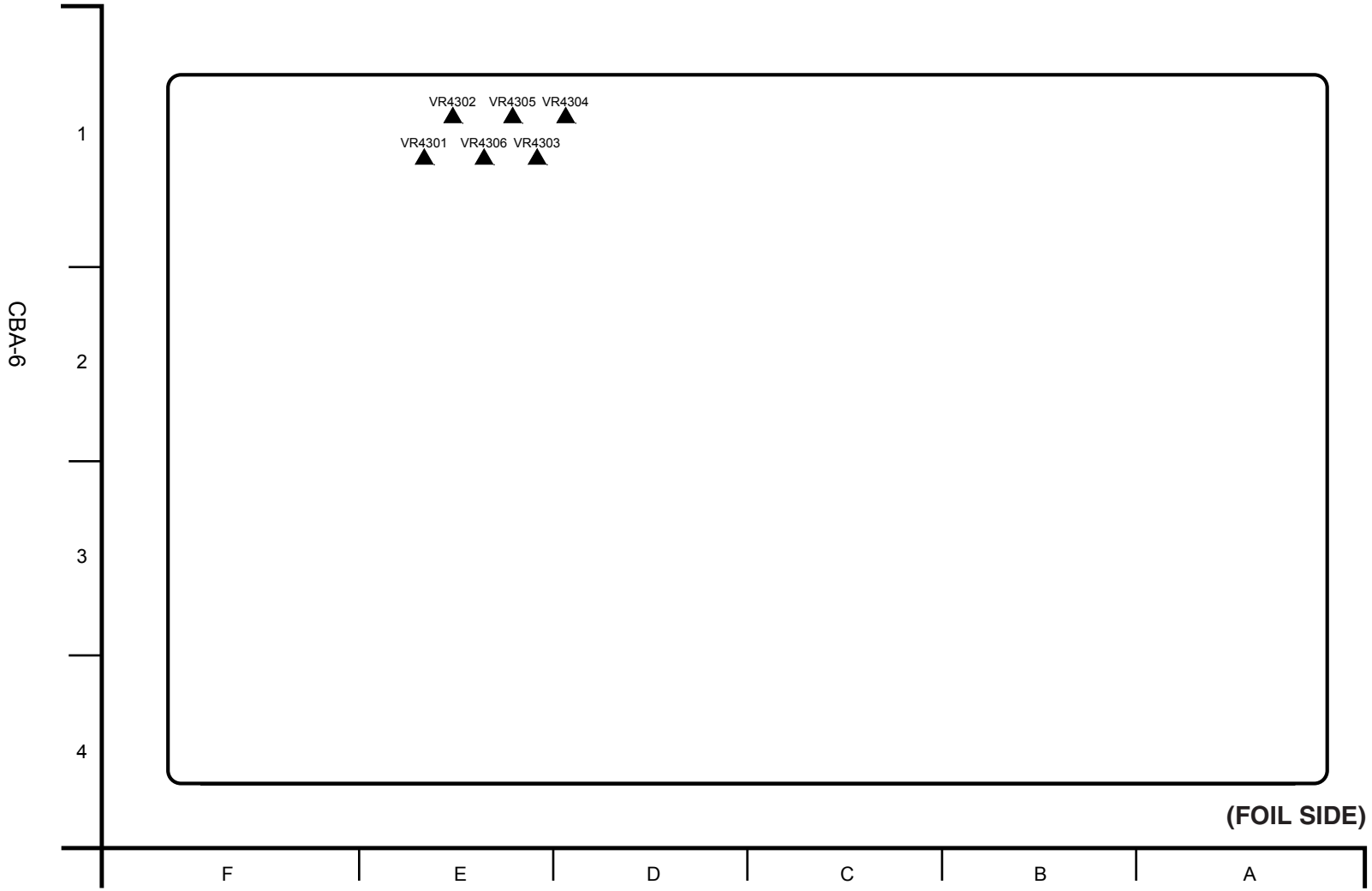
REF	LOC	REF	LOC
IC30	B3	Q304	E2
IC31	C3	Q305	E3
IC33	C3	Q433	E1
IC36	B4	QR500	D2
IC40	A3	QR501	D2
IC41	A2	QR503	D1
IC42	B4		
IC45	A3		
IC150	C2	SW1	E1
IC230	B1		
IC232	A1		
IC302	D1	TG1	D1
IC306	E3	TP232	A1
IC307	F3	TP233	A1
IC310	D3		
IC312	E3		
IC431	E1	VR300	F2
IC500	D1	VR301	F3
IC504	D1	VR302	F3
IC601	E4	VR303	F2
IC604	D2	VR304	F2
IC605	D2	VR305	F3
IC610	D4	VR306	E3
IC611	D3	VR307	E2
IC628	D4	VR430	F2
IC629	E4	VR431	F2
P1	C4		
P2	E3		
P500	A1		
P501	B1		

RF/CUE P.C.BOARD (VEP85215)



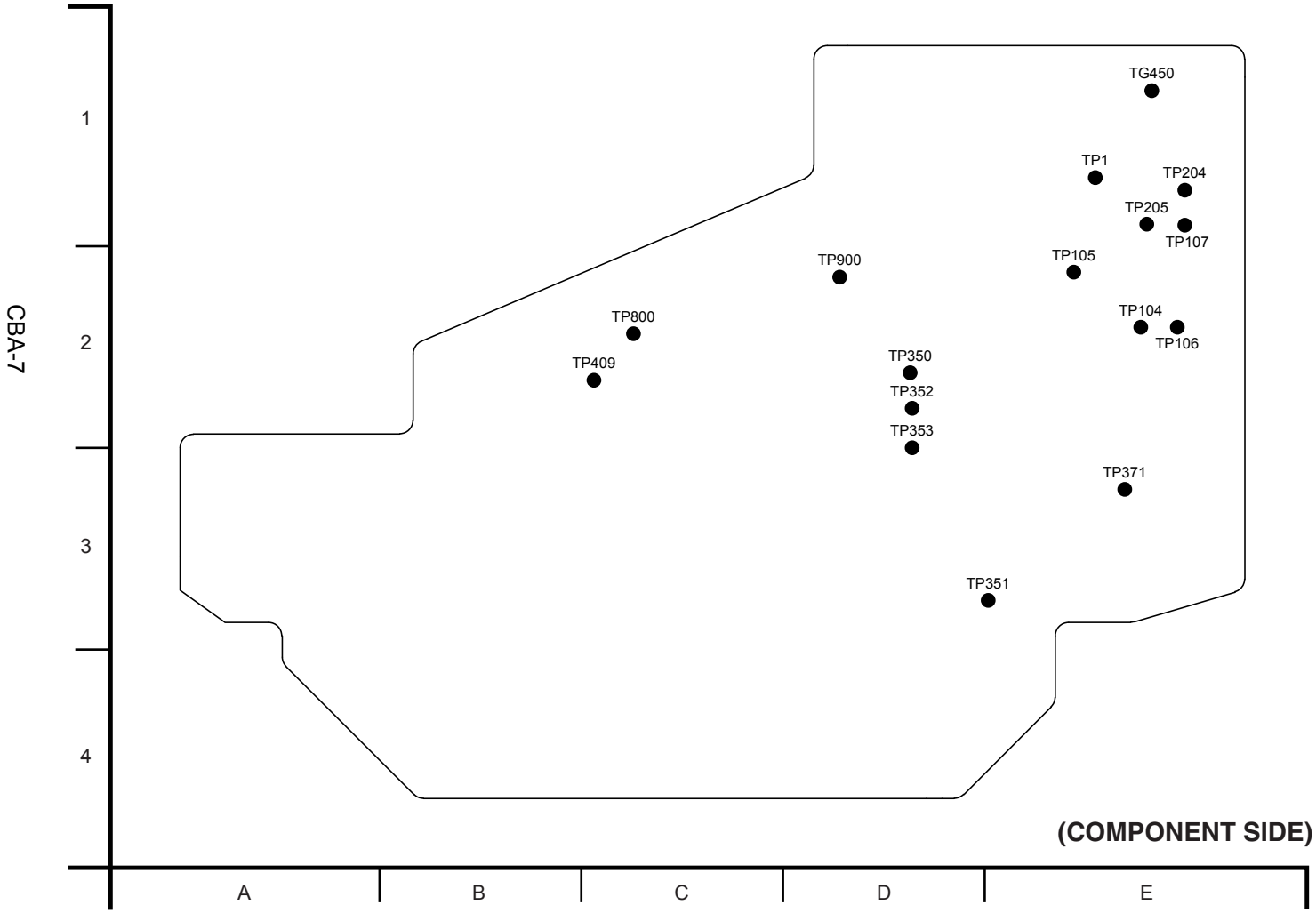
REF	LOC	REF	LOC	REF	LOC
IC1	D1	Q1	C2	Q464	B1
IC2	C1	Q2	D1	Q501	B3
IC3	C1	Q3	C1	Q502	B3
IC4	C1	Q4	C2	Q531	C3
IC5	D1	Q5	D1	Q560	D3
IC7	C2	Q6	D1	Q561	D3
IC8	C2	Q7	C2	Q580	D3
IC9	C1	Q8	D2	Q581	D3
IC10	C2	Q9	C2	Q601	D2
IC11	C2	Q106	B1	Q602	D2
IC12	C2	Q107	C1	Q4201	F3
IC401	B4	Q108	C1	QR601	D2
IC402	A4	Q110	B1	QR602	D2
IC431	C3	Q111	C1	QR4201	F3
IC432	C2	Q112	C1	QR4202	F3
IC461	B1	Q114	B1		
IC462	B1	Q116	B1		
IC501	B3	Q176	B2	TG1	B4
IC502	A3	Q177	C2	TG4005	F1
IC531	C3	Q178	C1	TG4101	F3
IC532	C3	Q180	B2	TG4203	E2
IC4102	E4	Q181	C2	TP1	D3
IC4103	E3	Q182	C1	TP2	D3
IC4104	E3	Q184	B2	TP4001	E1
IC4106	E4	Q186	B2	TP4002	F1
IC4108	E1	Q256	B2	TP4003	F1
IC4109	D1	Q257	C2	TP4004	F1
IC4201	F3	Q260	B2	TP4101	E3
IC4203	F4	Q261	C2	TP4102	E1
IC4204	F4	Q264	B2	TP4201	F3
IC4205	F3	Q266	B2	TP4202	F4
IC4207	F3	Q326	B2		
IC4308	E2	Q327	C3		
IC4312	D2	Q330	B2	VR4001	E1
IC4313	E2	Q331	C2	VR4002	E1
		Q334	B3	VR4103	E1
		Q336	B3	VR4104	E1
P1	E4	Q401	B4		
P2	D1	Q402	B4		
P3	C3	Q431	C2		
P4	D4	Q461	B1		
P4001	E1	Q462	B1		

RF/CUE P.C.BOARD (VEP85215)



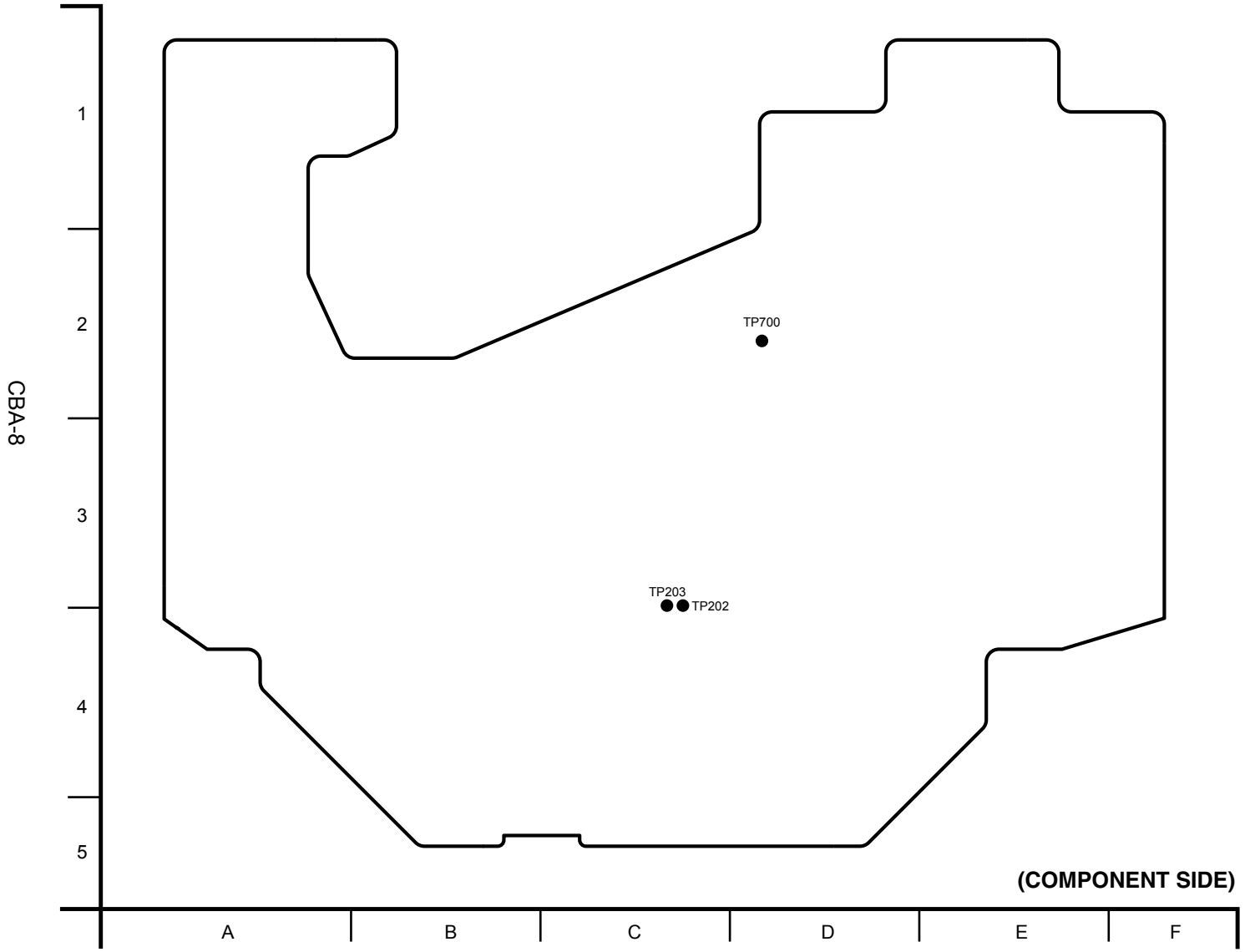
REF	LOC	REF	LOC
IC101	A2	Q322	A3
IC251	A2	Q324	A2
IC601	D2	Q325	B2
IC602	D2	Q329	B2
IC4001	E2	Q333	B3
IC4105	E3	Q335	B3
IC4107	E3	Q337	A3
IC4206	F3	Q403	B4
IC4209	F3	Q405	A4
IC4301	D3	Q435	C2
IC4302	E3	Q463	B1
IC4303	E2	Q465	A1
IC4309	E2	Q503	B3
IC4310	D2	Q505	A3
		Q535	C2
		Q4001	F2
Q101	A1	Q4002	F2
Q102	A1	Q4003	F2
Q103	C1	Q4004	F2
Q104	A1	Q4005	F2
Q105	B1	Q4006	F2
Q109	B1	Q4007	E2
Q113	B1	Q4008	E2
Q115	B1	Q4009	E2
Q117	A1	Q4010	E2
Q171	A2	Q4011	F1
Q172	A2	Q4012	F1
Q173	C1	QR4001	F2
Q174	A2	QR4002	F2
Q175	B2	QR4003	E2
Q179	B2	QR4004	E2
Q183	B2	QR4005	E2
Q185	B2	QR4006	F1
Q187	A2	QR4007	F1
Q251	A2		
Q252	A2		
Q254	A2	VR4301	E1
Q255	B2	VR4302	E1
Q259	B2	VR4303	E1
Q263	B2	VR4304	D1
Q265	B2	VR4305	E1
Q267	A2	VR4306	E1
Q321	A2		

SERVO P.C.BOARD (VEP82249)



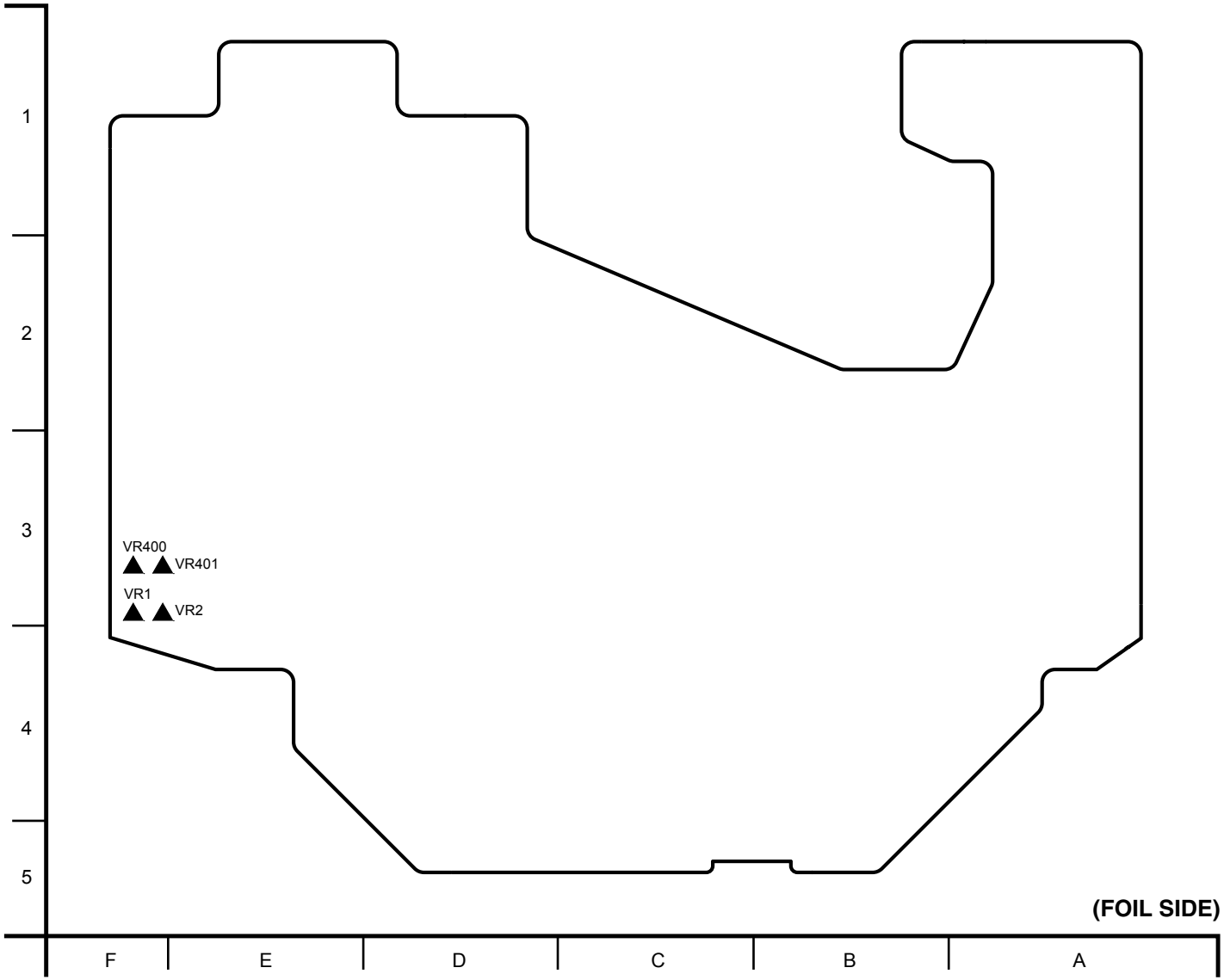
REF	LOC	REF	LOC
IC300	C1	QR400	A2
IC301	C1	QR401	A2
IC302	C2	QR402	A2
IC350	E2	QR700	D3
IC400	E3	QR701	D2
IC700	B3	QR702	D3
IC701	B3	QR703	D2
IC900	E2	QR800	B3
IC5001	E4	QR801	B3
IC5002	D4	QR802	B3
		QR803	D2
		QR804	C3
P300	C2	QR805	C2
P350	C1	QR806	C2
P900	E1	QR807	C2
P901	E2	QR808	C3
P902	A3	QR809	C3
		QR810	C2
		QR811	B3
Q450	A1	QR812	B3
Q451	A1	QR813	B3
Q700	B2	QR814	B3
Q701	B2	QR815	B4
Q702	E3	QR816	B3
Q703	E3	QR5001	E4
Q704	E3	QR5002	D4
Q705	E3	QR6001	C4
Q706	E3	QR6002	C4
Q707	E3		
Q800	B4		
Q801	B4	TG450	E1
Q802	B4	TP1	E1
Q5001	E4	TP104	E2
Q5002	D4	TP105	E2
Q5003	A3	TP106	E2
Q5004	E4	TP107	E1
Q5005	E4	TP204	E1
Q5006	D4	TP205	E1
Q6001	C4	TP350	D2
Q6002	C4	TP351	E3
QR1	C1	TP352	D2
QR2	B1	TP353	D2
QR3	D1	TP371	E3
QR4	D1	TP409	C2
QR9	B1	TP800	C2
		TP801	C2
		TP900	D2

MECHA IF P.C.BOARD (VEP82250)



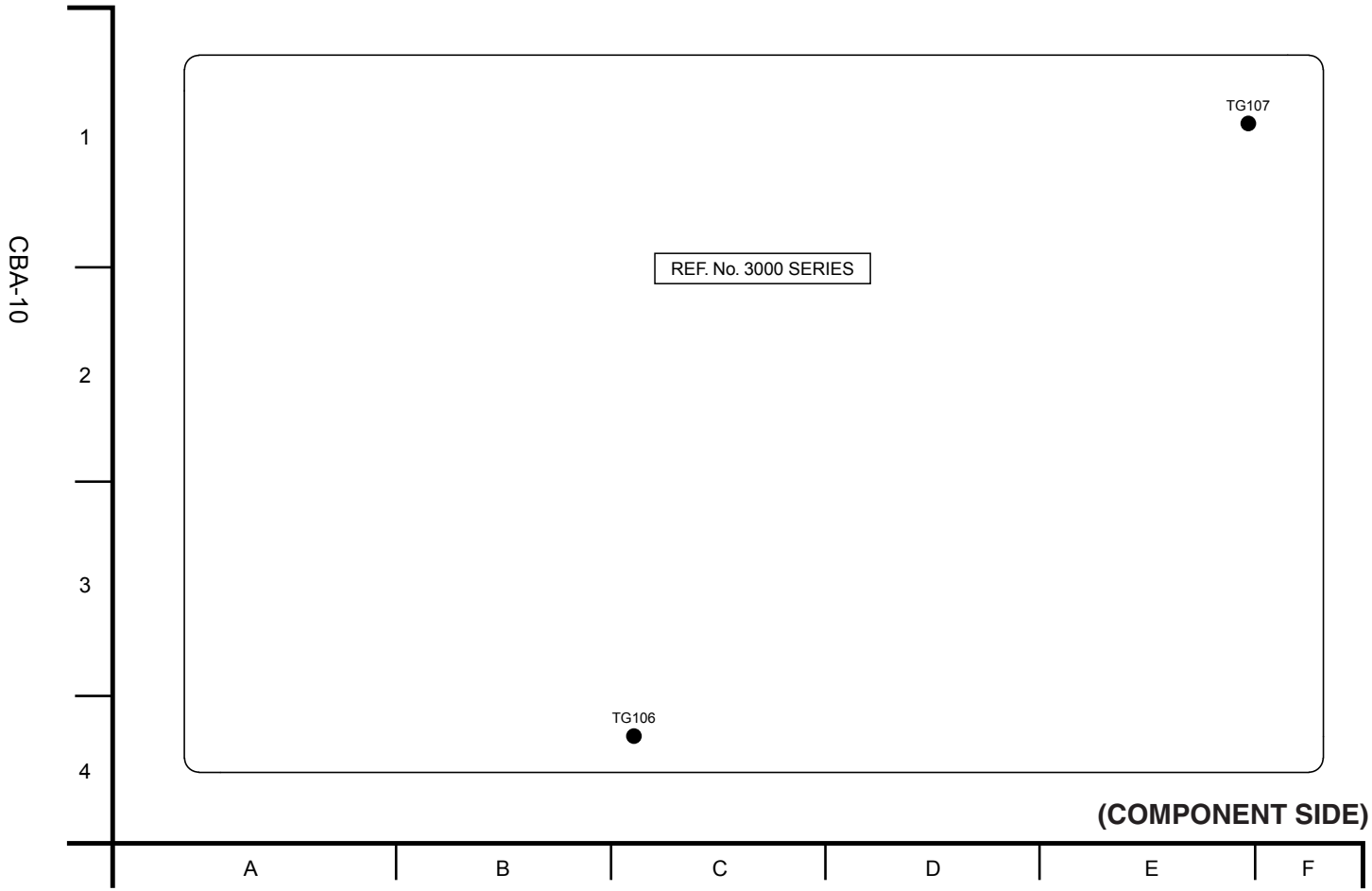
REF	LOC	REF	LOC
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IC5	C3	Q100	E3
IC7	C3	Q101	A3
IC14	B2	Q102	E3
IC15	B3	Q300	E3
IC18	B3	Q301	D2
IC19	B3	Q500	D4
IC300	E3	Q501	B4
IC301	E3	Q502	D4
IC302	B3	Q703	D2
IC303	B3	Q704	D2
IC304	B3	Q705	D2
IC305	D3	QR100	E3
		QR101	E3
		QR102	A3
P300	C4	QR103	A3
P400	C5	QR104	E3
P401	C5	QR105	A3
P402	D2	QR106	A1
P403	F1	QR107	A1
P404	A1	QR108	A1
P405	A2	QR109	B1
P406	A3	QR110	A1
P407	E2	QR111	B1
P408	A3	QR400	E1
P409	E3	QR401	D1
P410	F3	QR700	D2
P411	C5	QR701	D2
P412	E1	QR702	D2
P413	A1	QR703	D2
P414	D1		
P415	D4		
P416	B4	TP202	C3
P417	E1	TP203	C3
P418	F2	TP700	D2
P419	C2		
P420	A2		
P421	A1		
P422	F2		
P423	A2		

MECHA IF P.C.BOARD (VEP82250)



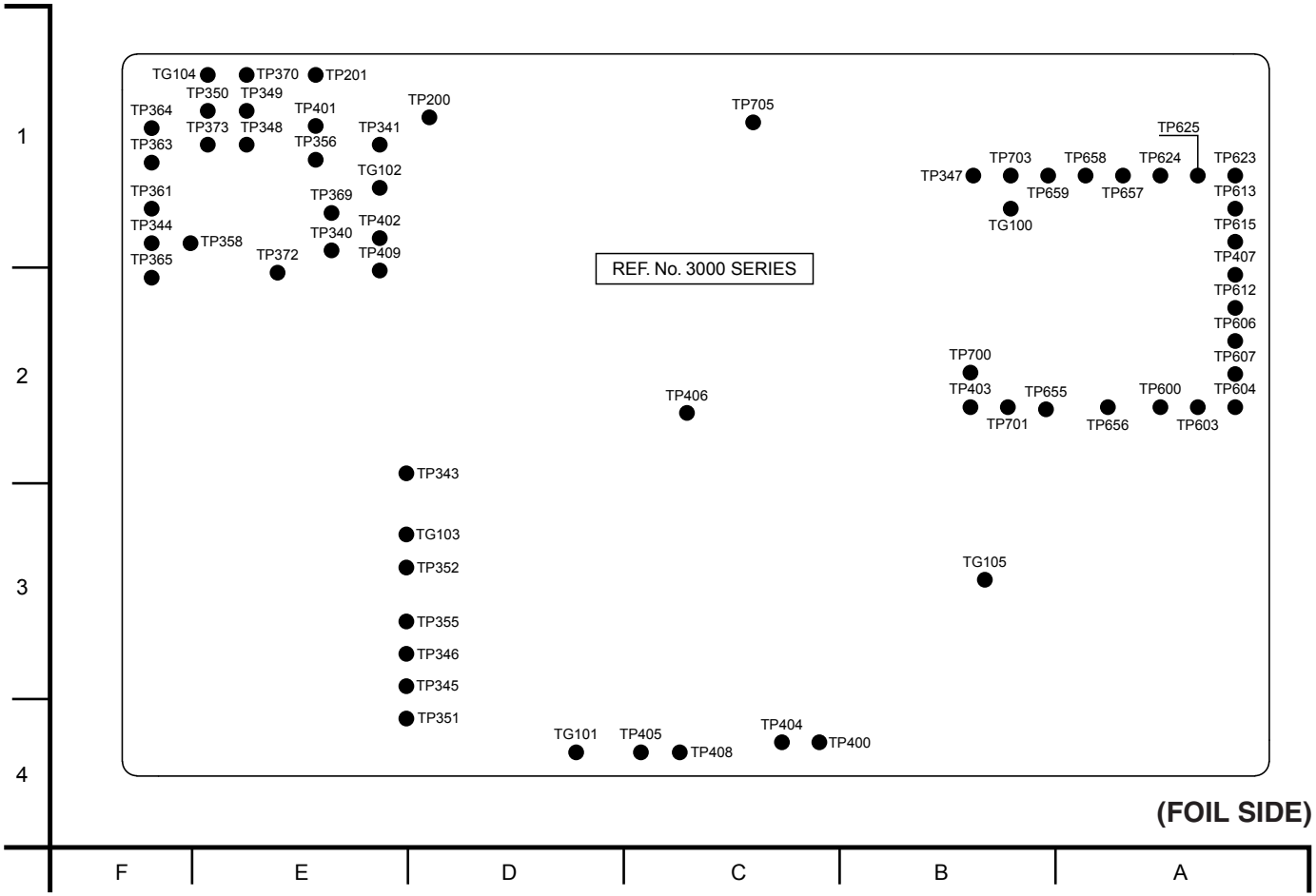
REF	LOC
IC2	C3
IC4	C3
IC6	C3
IC8	B3
IC306	B3
IC307	B3
IC400	E1
IC401	E1
IC500	C4
IC501	C4
IC502	D4
IC503	C4
IC703	D2
IC2254	B3
Q103	A2
Q104	A2
Q105	A1
Q106	A1
Q107	A1
Q400	D1
Q401	D1
Q503	B4
Q504	D4
Q505	B4
Q700	D2
Q701	D1
Q702	D2
QR500	C4
QR501	C4
QR502	C4
QR503	C5
VR1	F3
VR2	F3
VR400	F3
VR401	F3

UDC P.C.BOARD (VEP83573) [F4]



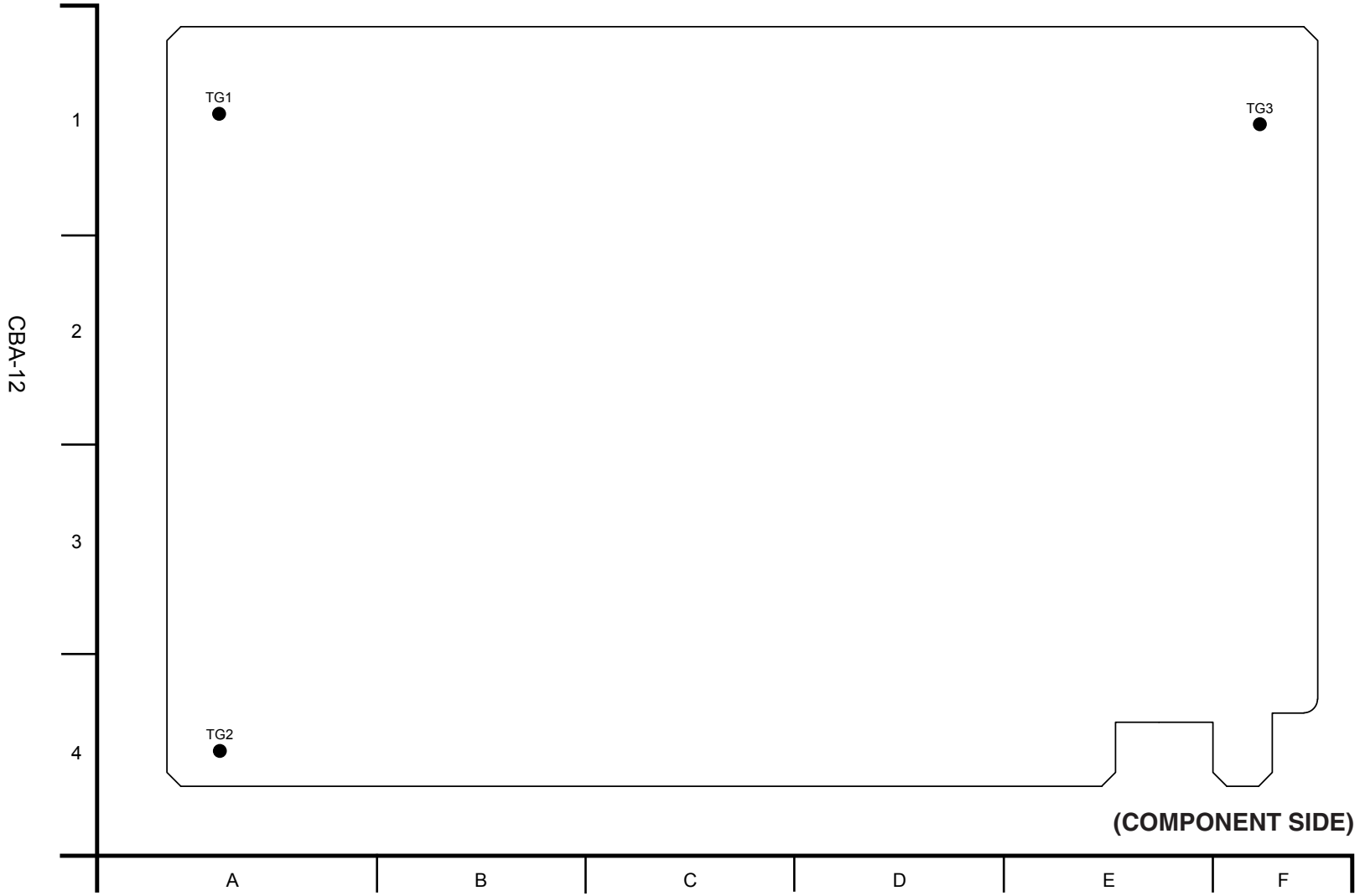
REF	LOC
IC100	A1
IC101	E2
IC205	B1
IC206	D2
IC208	B2
IC210	C1
IC211	D1
IC212	C2
IC213	D2
IC214	D1
IC215	D2
IC216	D2
IC217	C2
IC218	B2
IC219	B2
IC340	E3
IC401	D4
IC500	B3
IC501	B3
IC502	D3
IC503	D3
IC600	A2
IC700	B2
IC701	E1
IC709	F2
IP700	E1
IP701	E1
IP702	F1
P100	C1
P700	E1
P701	E4
TG106	C4
TG107	E1

UDC P.C.BOARD (VEP83573) [F4]



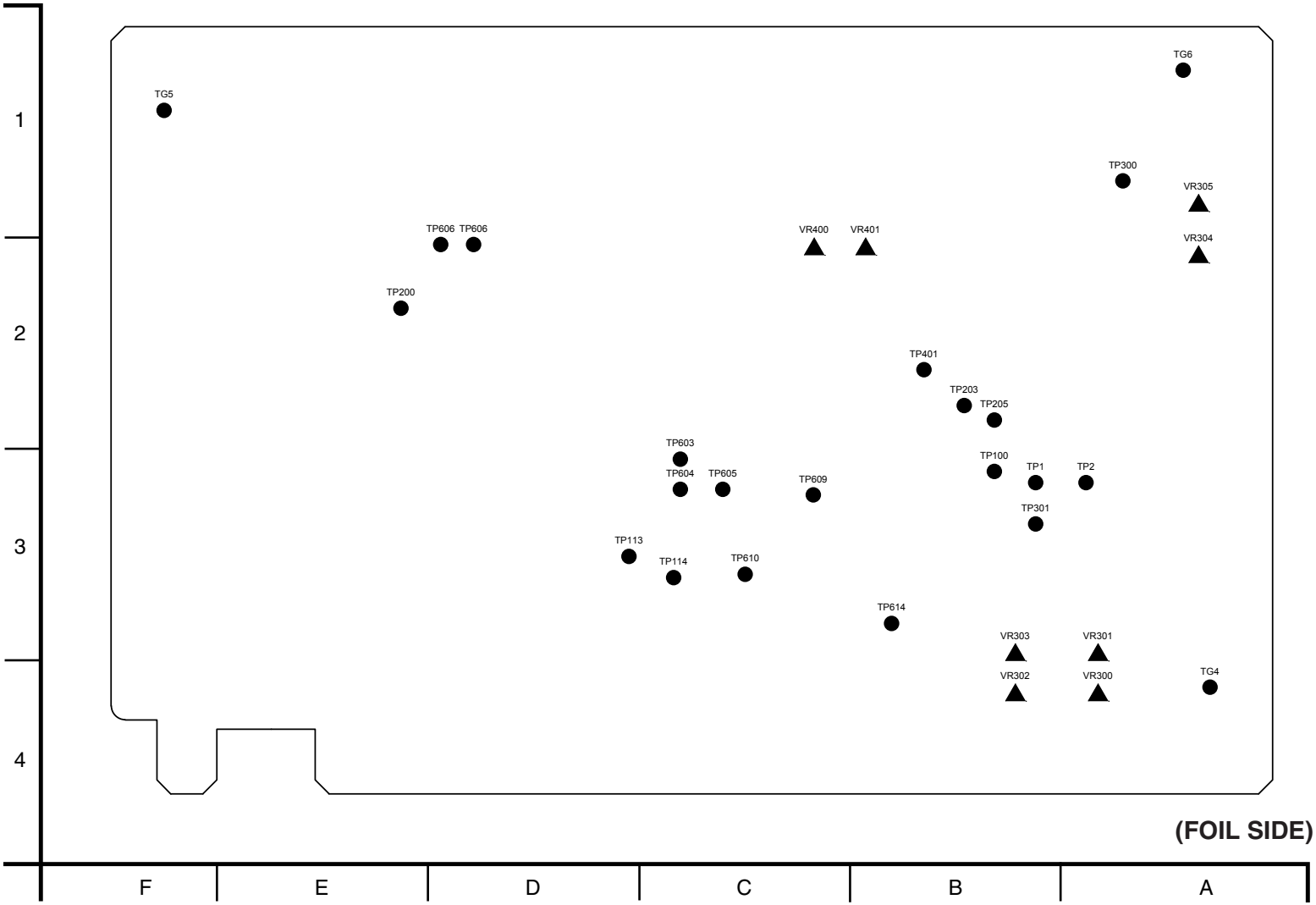
REF	LOC	REF	LOC
IC102	B1	TP349	E1
IC200	D1	TP350	E1
IC201	D1	TP351	E4
IC202	D2	TP352	E3
IC203	D2	TP355	E3
IC204	D2	TP356	E1
IC207	D2	TP358	F1
IC209	C2	TP361	F1
IC341	E2	TP363	F1
IC342	E2	TP364	F1
IC400	C3	TP365	F2
IC504	B3	TP369	E1
IC505	B3	TP370	E1
IC506	D3	TP372	E2
IC507	D3	TP373	E1
IC508	A3	TP400	C4
IC509	A3	TP401	E1
IC510	E3	TP402	E1
IC511	E3	TP403	B2
IC512	A3	TP404	C4
IC513	A3	TP405	C4
IC514	E3	TP406	C2
IC515	E3	TP407	A2
IC702	B2	TP408	C4
IC703	B2	TP409	E2
IC704	C1	TP600	A2
IC705	C2	TP603	A2
IC706	B1	TP604	A2
		TP606	A2
		TP607	A2
TG100	B1	TP612	A2
TG101	D4	TP613	A1
TG102	E1	TP615	A1
TG103	E3	TP623	A1
TG104	E1	TP624	A1
TG105	B3	TP625	A1
TP200	D1	TP654	A2
TP201	E1	TP655	B2
TP340	E1	TP657	A1
TP341	E1	TP658	A1
TP343	E2	TP659	B1
TP344	F1	TP700	B2
TP345	E3	TP701	B2
TP346	E3	TP703	B1
TP347	B1	TP705	C1
TP348	E1		

SGNE SDI P.C.BOARD (VEP83634) [F5]



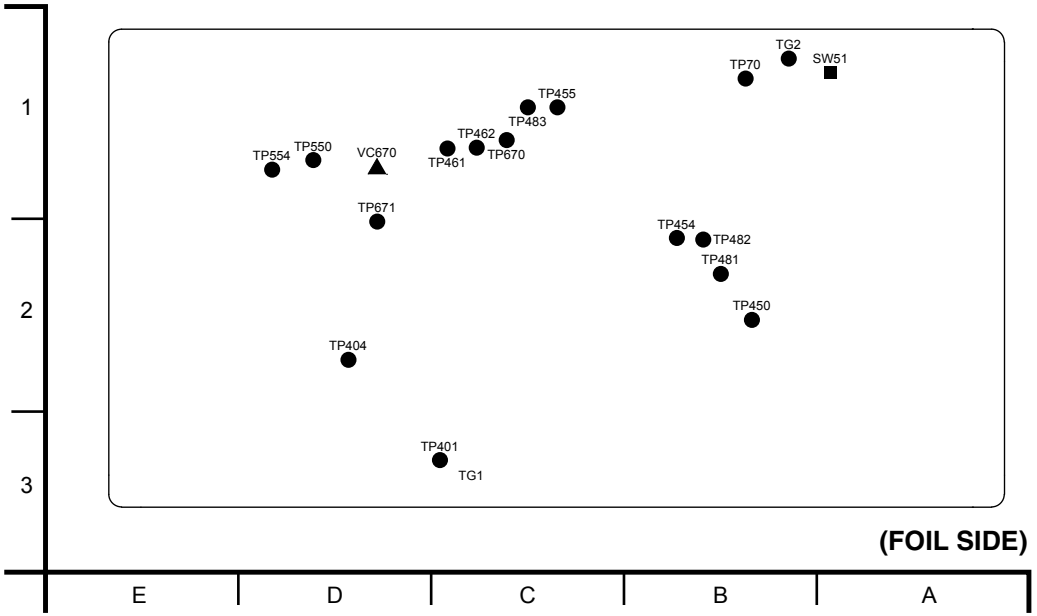
REF	LOC	REF	LOC
IC2	E3	IC411	B2
IC3	E3	IC500	E3
IC6	F3	IC502	E2
IC7	F3	IC508	E2
IC102	D3	IC600	C3
IC104	D3	IC601	D4
IC105	D3	IC602	D3
IC106	C3	IC603	D3
IC107	D3	IC604	C3
IC108	D3	IC605	D3
IC109	D3	IC606	D2
IC112	D3	IC609	D2
IC114	D3	IC610	D2
IC116	D3	IC613	D2
IC200	B2	IC614	B3
IC300	B3	IC620	C3
IC301	A4	IC623	B3
IC302	B4	IC624	B3
IC303	B3	IC625	C3
IC304	A3	IC700	E2
IC305	B2	IC701	E1
IC306	A3		
IC307	B3		
IC308	A3	P1	C4
IC309	A2	P2	E3
IC310	A3	P3	E1
IC311	A1	P600	D1
IC320	A2	P700	B1
IC338	B3		
IC339	B3		
IC400	C2	Q100	D3
IC401	C2	Q101	D3
IC403	B2	Q102	E3
IC405	C2	Q103	E3
IC406	B2		
IC407	C1		
IC408	B1	TG1	A1
IC409	B2	TG2	A4
IC410	C2	TG3	F1

SGEN SDI P.C.BOARD (VEP83634) [F5]



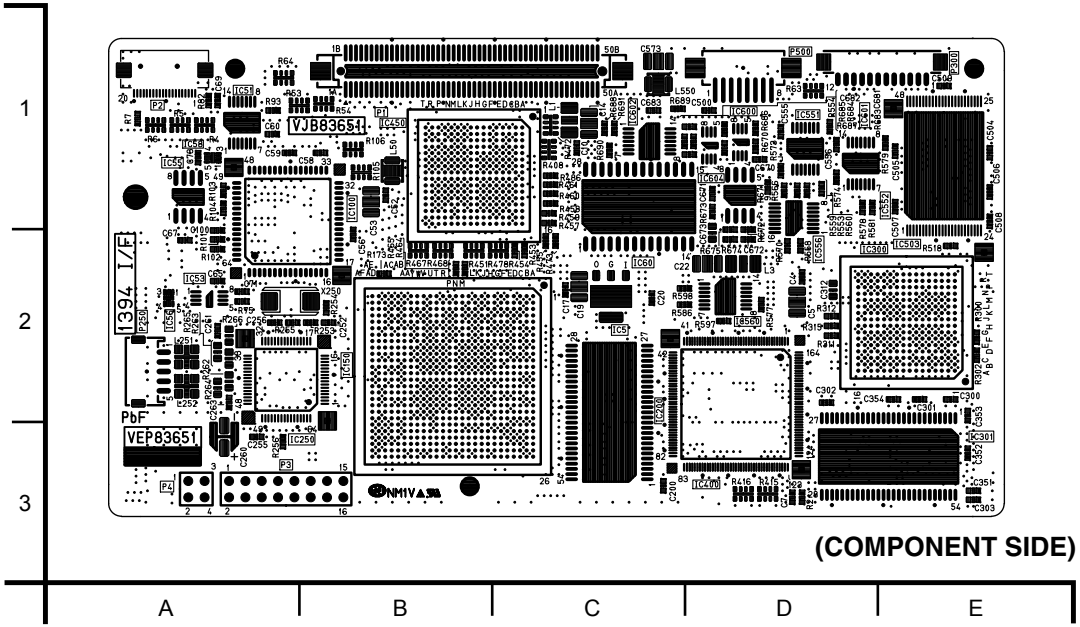
REF	LOC	REF	LOC
IC5	D1	TP100	B3
IC8	D1	TP113	D3
IC100	E3	TP114	C3
IC101	D4	TP200	E2
IC103	D3	TP203	B2
IC119	D3	TP205	B2
IC201	A2	TP300	A1
IC312	A2	TP301	B3
IC314	B1	TP401	B2
IC316	A2	TP603	C3
IC340	B3	TP604	C3
IC503	E2	TP605	C3
IC504	E3	TP606	D2
IC506	F2	TP607	D2
IC509	F1	TP609	C3
IC510	F2	TP610	C3
IC615	C4	TP614	B3
IC618	C4		
IC619	C4		
IC622	B4	VR300	A4
		VR301	A3
		VR302	B4
TG4	A4	VR303	B3
TG5	F1	VR304	A2
TG6	A1	VR305	A1
TP1	B3	VR400	C2
TP2	A3	VR401	B2

1394 IF P.C.BOARD (VEP83651) [F3]



(FOIL SIDE)

REF	LOC	REF	LOC	REF	LOC
IC1	D2	Q671	D1	TP454	B2
IC2	D3	QR1	D3	TP455	C1
IC3	D2	QR50	C1	TP461	C1
IC4	C2	QR51	D1	TP462	C1
IC6	D2	QR52	D1	TP481	B2
IC50	A1	QR53	D1	TP482	B2
IC350	E3	QR54	C1	TP483	C1
IC500	D1	QR500	D1	TP550	D1
IC502	E1			TP554	D1
IC557	C2			TP670	C1
IC561	C2	SW51	A1	TP671	D2
IC562	C2				
		TG1	C3	VC670	D1
P50	A1	TG2	B1		
		TP70	B1		
		TP401	C3		
Q1	D3	TP404	D2		
Q670	C1	TP450	B2		



(COMPONENT SIDE)

REF	LOC	REF	LOC
IC5	C2	IC551	D1
IC51	A1	IC552	D1
IC53	A2	IC556	D1
IC55	A1	IC560	D2
IC56	A2	IC600	D1
IC58	A1	IC601	D1
IC60	C1	IC602	C1
IC100	A1	IC604	D1
IC150	B2		
IC200	C2		
IC250	A2	P1	B1
IC300	E2	P2	A1
IC301	E3	P3	A3
IC400	D2	P4	A3
IC450	B1	P250	A2
IC503	E1	P500	D1

RF/EQ P.C.BOARD (VEP85214)

Foil Side

REF	LOC	REF	LOC
IC1	E2	Q502	A1
IC201	D3	Q503	A1
IC202	D4	Q504	B1
IC204	D4	Q505	B1
IC303	A3	Q506	B1
IC403	C3	Q551	C1
IC802	A3	Q552	C1
IC803	B2	Q553	C1
IC804	D3	Q554	C1
IC902	C3	Q555	C1
IC1002	B2	Q556	C1
IC1003	B2	Q601	D1
IC1102	C2	Q602	D1
IC1202	D2	Q603	D1
IC1203	E2	Q604	E1
		Q605	E1
		Q606	D1
Q1	E2	Q701	C3
Q2	E2	Q703	D3
Q3	E2	Q731	B2
Q203	D3	Q733	B2
Q204	D3	Q761	D1
Q205	D3	Q763	C2
Q206	D3	Q801	B3
Q301	B4	Q901	C3
Q302	B4	Q1001	B2
Q303	B3	Q1101	C2
Q304	B4	Q1201	D2
Q305	A4	Q1301	E3
Q351	A3	Q1302	E3
Q401	C3	Q1303	E3
Q402	C4	Q1304	F3
Q403	C3	Q1305	F3
Q404	C4	Q1306	E3
Q405	C4	Q1307	E3
Q451	B3	QR351	A3
Q501	A1	QR352	A3

APROC P.C.BOARD (VEP84393)

Foil Side

REF	LOC	REF	LOC	REF	LOC
IC4003	B1	IC4243	D3	Q4803	C2
IC4006	B1	IC4244	C3	Q4804	C3
IC4008	B3	IC4245	C3	Q4805	C2
IC4057	B2	IC4401	F2	Q4806	C3
IC4060	B2	IC4402	E2	QR4201	D2
IC4061	B2	IC4403	E2	QR4202	D2
IC4105	A3	IC4404	E2	QR4203	C2
IC4106	B3	IC4412	D2	QR4204	C2
IC4114	B3	IC4413	D2	QR4205	D2
IC4115	C3	IC4414	D2	QR4206	D2
IC4116	B4	IC4415	C2	QR4207	C2
IC4151	A2	IC4420	D2	QR4208	C2
IC4152	A2	IC4421	D2		
IC4155	A2	IC4422	D2		
IC4156	B4	IC4423	C2		
IC4158	A2	IC4632	C1		
IC4160	A1	IC4633	C1		
IC4161	A4	IC4636	E4		
IC4162	A4	IC4637	E4		
IC4164	A1	IC4640	D4		
IC4166	A2	IC4641	D4		
IC4174	A4	IC4644	D4		
IC4175	A4	IC4645	D4		
IC4209	F4	IC4801	C1		
IC4210	E4	IC4806	C2		
IC4211	F3	IC4807	C2		
IC4212	E3				
IC4213	E3				
IC4214	E3	Q4201	D2		
IC4219	E4	Q4202	D2		
IC4220	E4	Q4203	C2		
IC4229	F2	Q4204	C2		
IC4230	E2	Q4601	C4		
IC4231	E2	Q4602	C3		
IC4232	E2	Q4603	C4		
IC4233	E4	Q4801	C3		
IC4242	D3	Q4802	C3		

REC PB P.C.BOARD (VEP83624)

Foil Side

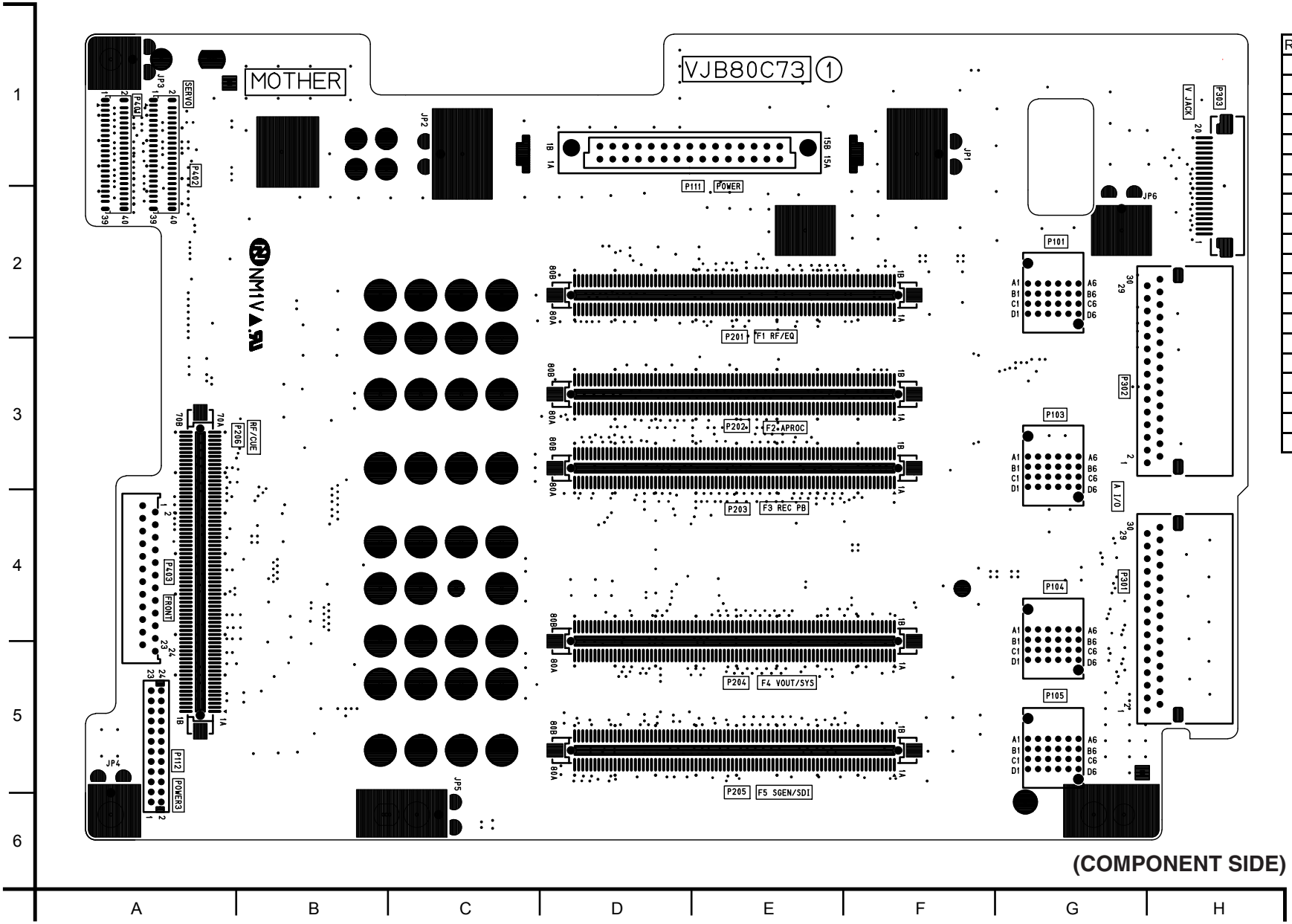
REF	LOC
IC5	E4
IC50	C2
IC51	B2
IC52	B2
IC101	C1
IC102	C1
IC151	B1
IC152	A1
IC153	A3
IC154	A4
IC155	A3
IC156	A4
IC200	A2
IC201	B3
IC202	A3
IC252	B1
IC253	B1
IC254	B1
IC371	F2
IC550	C4
IC551	A4
IC552	C3
IC553	C4
IC554	C4
IC555	C4
IC557	E3
IC562	B4
IC652	D1
P650	D1
QR650	D1

SERVO P.C.BOARD (VEP82249)

Foil Side

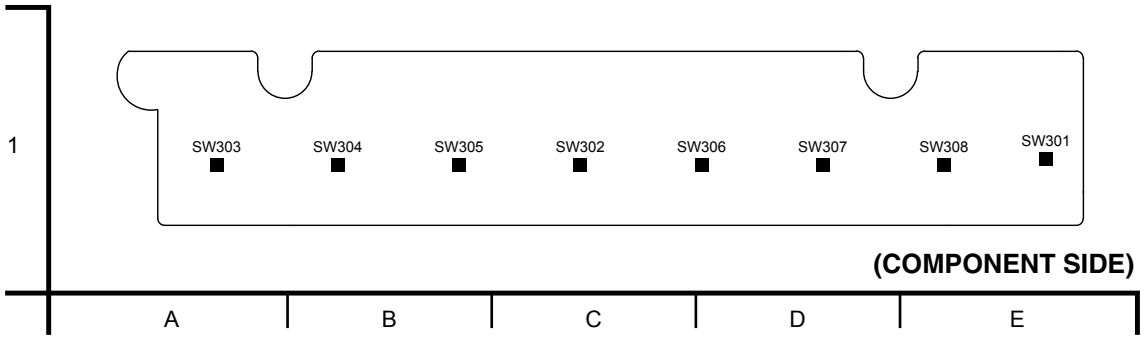
REF	LOC	REF	LOC
IC1	D1	Q800	D4
IC20	E1	Q801	D4
IC23	D2	Q802	D4
IC24	C3	Q5001	B4
IC26	C2	Q5002	B4
IC27	C3	Q5004	B4
IC28	E3	Q5005	A4
IC29	E2	Q5006	B4
IC38	B4	QR1	D1
IC41	D4	QR2	D1
IC42	D4	QR9	E1
IC46	E3	QR400	F2
IC47	D2	QR401	F2
IC48	D2	QR402	F2
IC49	D2	QR700	C3
IC50	D2	QR701	C2
IC51	D2	QR702	C3
IC52	E4	QR703	C2
IC53	D3	QR800	D3
IC54	C2	QR801	D3
IC300	D1	QR802	D3
IC301	D1	QR804	C3
IC351	E3	QR805	C2
IC5001	B4	QR806	D2
IC5002	B4	QR807	C2
IC6001	C4	QR808	C3
		QR809	D3
		QR810	C2
P903	C3	QR811	D3
		QR812	D3
		QR813	E3
Q450	F1	QR814	E3
Q451	F1	QR815	D4
Q702	B3	QR816	D3
Q703	A3	QR5001	B4
Q704	B3	QR5002	B4
Q705	A3	QR6001	D4
Q706	B3	QR6002	D4
Q707	A3		

MOTHER P.C.BOARD (VEP80C73)



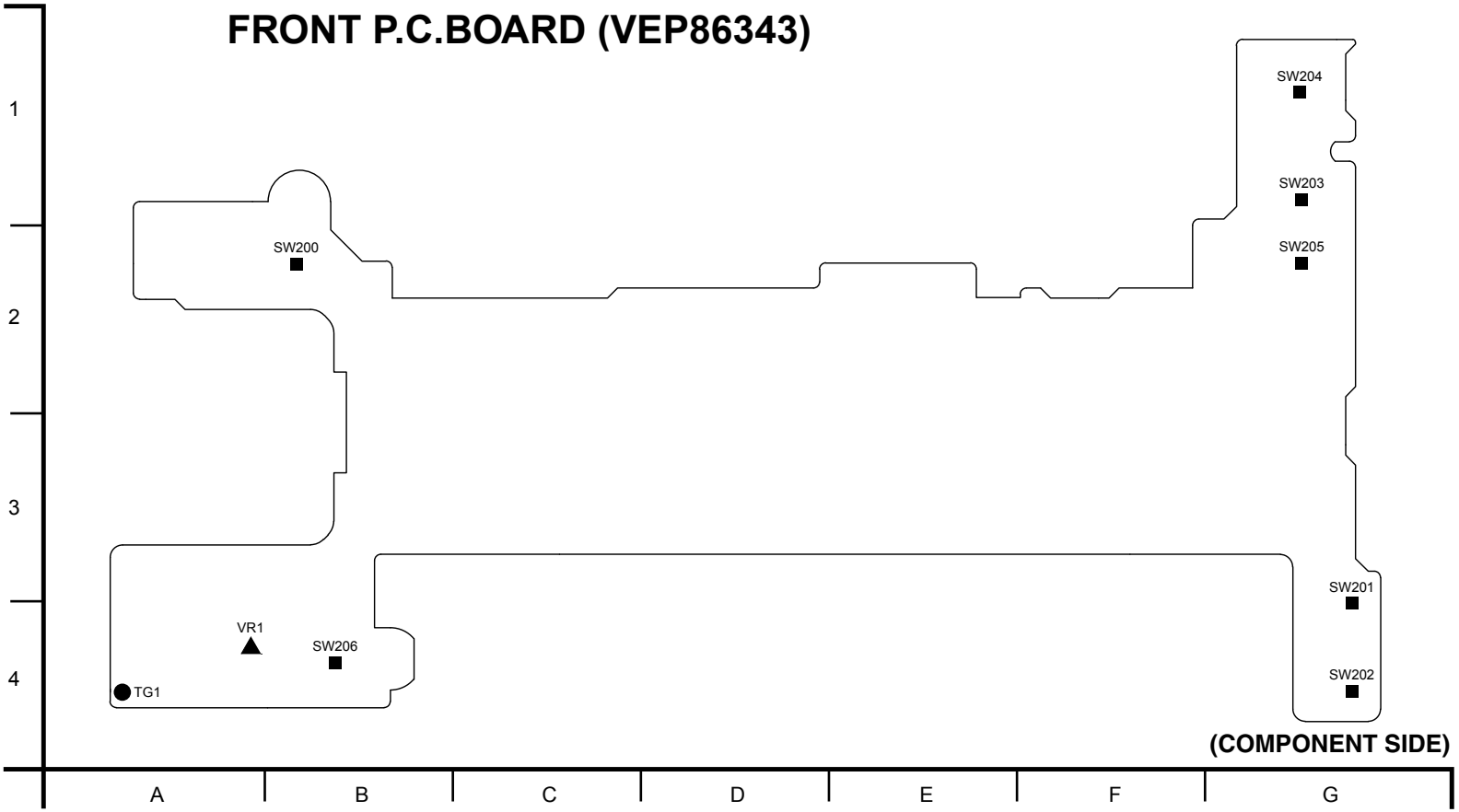
REF	LOC
P101	G2
P103	G3
P104	G5
P105	G5
P111	D1
P112	A6
P201	E2
P202	E3
P203	E3
P204	E5
P205	E5
P206	A4
P301	H5
P302	H3
P303	H2
P401	A1
P402	A1
P403	A4

FRONT KEY P.C.BOARD (VEP86344)



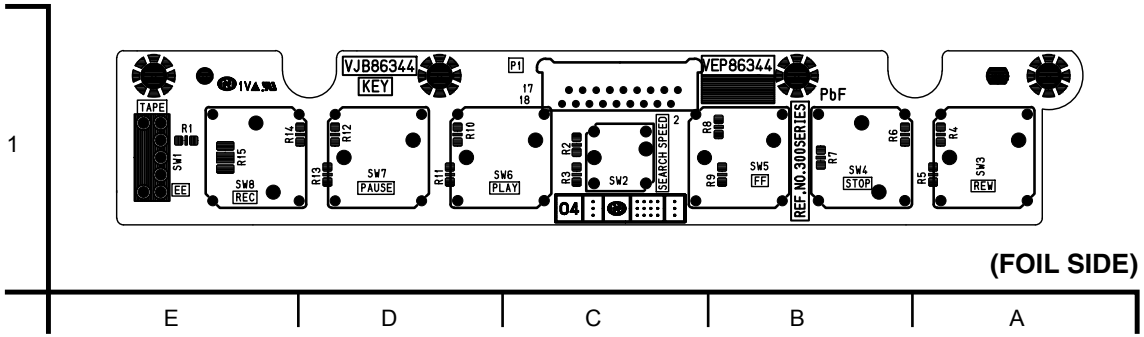
REF	LOC
SW301	E1
SW302	C1
SW303	A1
SW304	B1
SW305	B1
SW306	C1
SW307	D1
SW308	E1

FRONT P.C.BOARD (VEP86343)

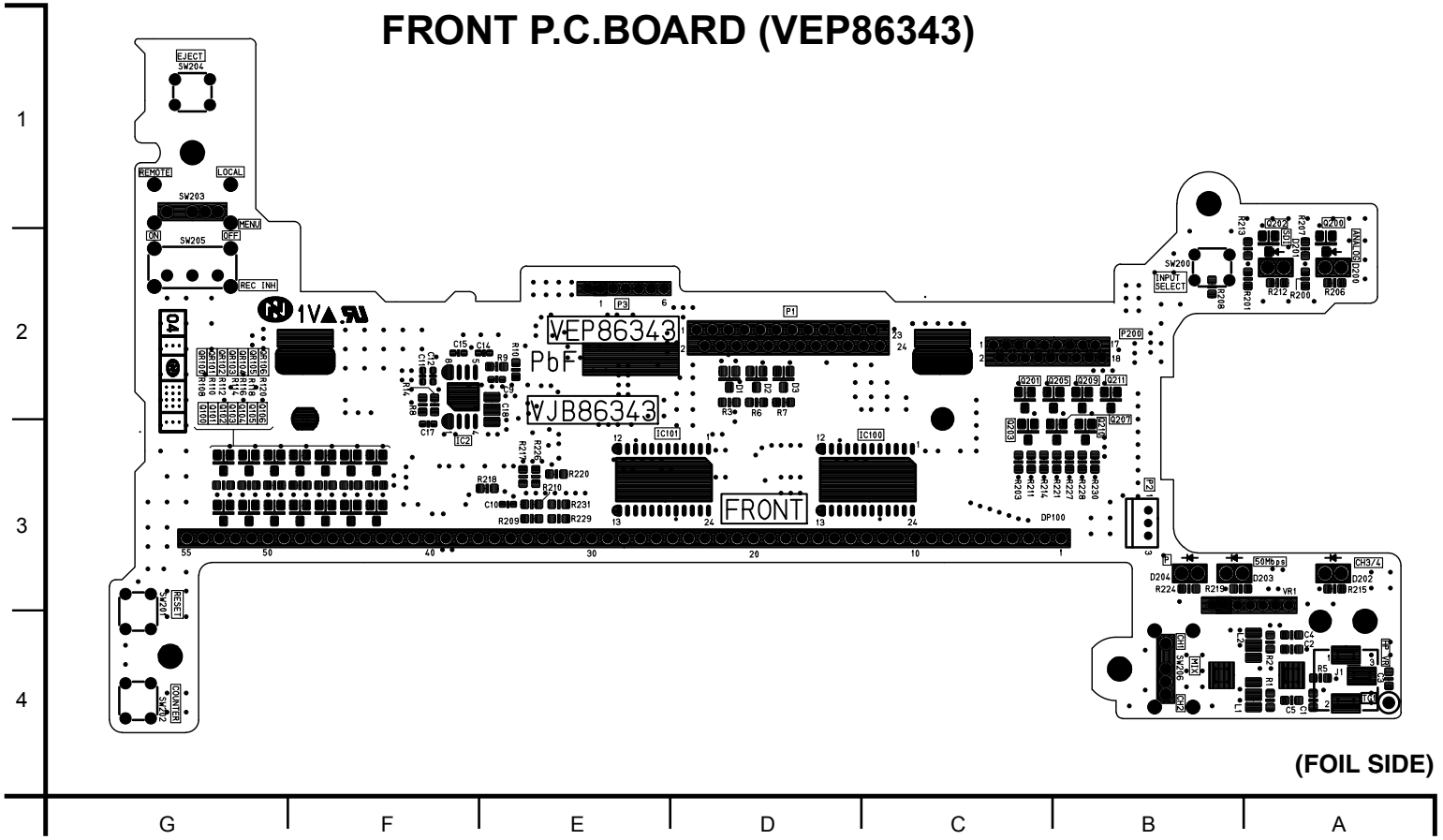


REF	LOC
IC1	E3
IC3	E2
P1	D2
P3	E2
P200	C2
Q204	A3
Q206	B3
Q208	B3
SW200	B2
SW201	G4
SW202	G4
SW203	G1
SW204	G1
SW205	G2
SW206	B4
VR1	A4

FRONT KEY P.C.BOARD (VEP86344)

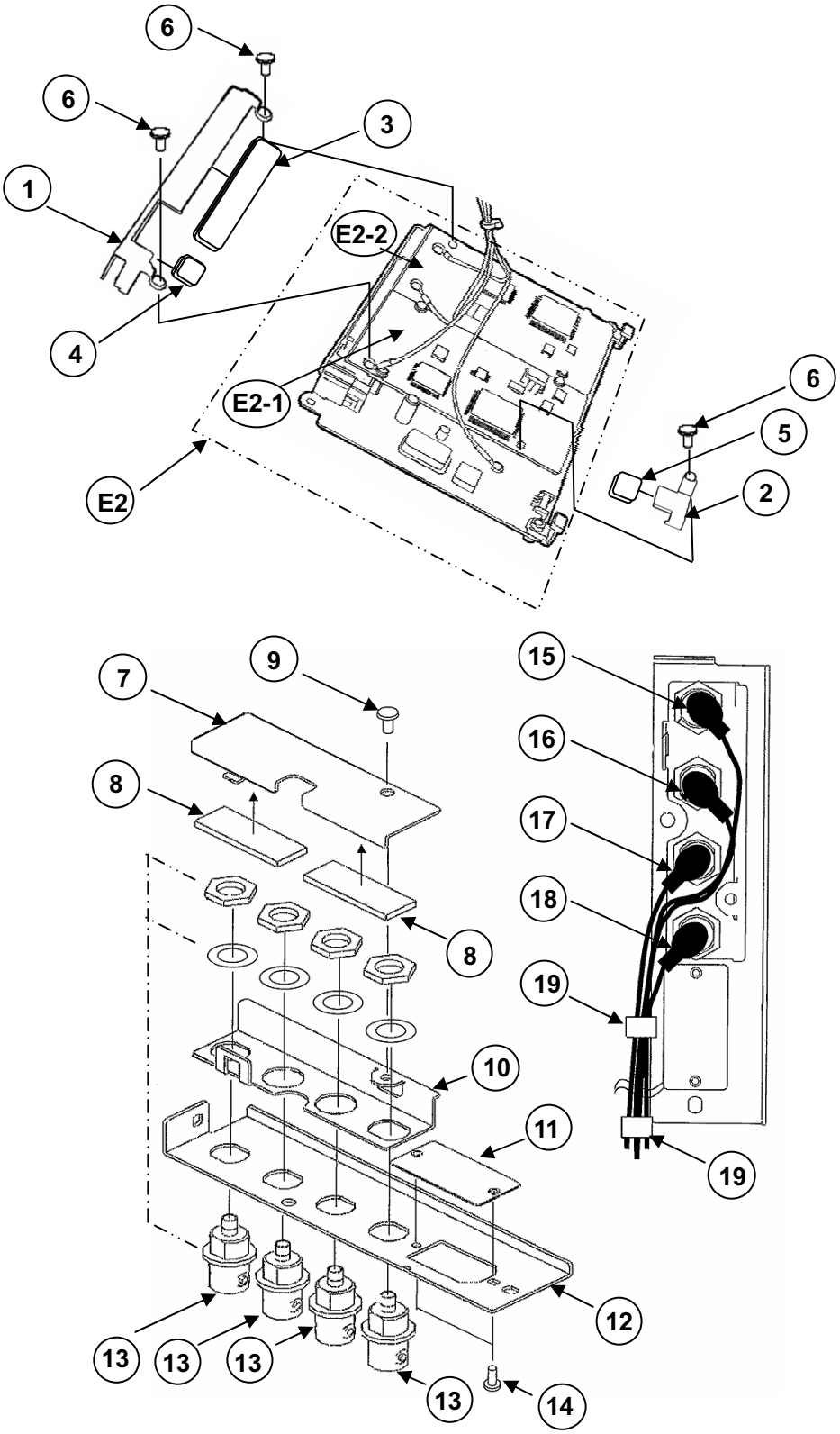


FRONT P.C.BOARD (VEP86343)



REF	LOC
IC2	F2
IC100	C3
IC101	E3
P2	B3
Q100	G3
Q101	G3
Q102	G3
Q103	F3
Q104	F3
Q105	F3
Q106	F3
Q200	A2
Q201	C2
Q202	A2
Q203	C3
Q205	B2
Q207	B3
Q209	B2
Q210	B3
Q211	B2
QR100	G3
QR101	G3
QR102	G3
QR103	F3
QR104	F3
QR105	F3
QR106	F3

BOARD / JACK PANEL ASSEMBLY (AJ-YA120AG)

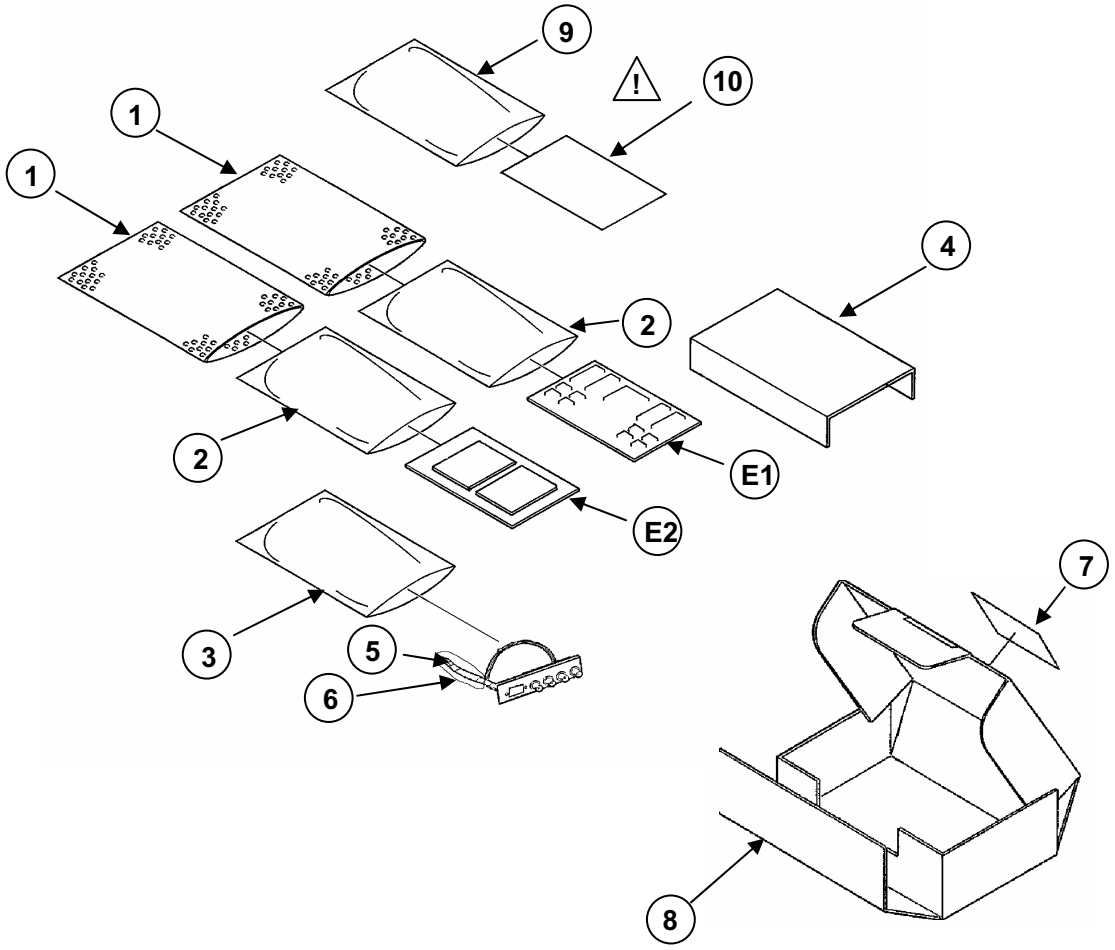


BOARD/JACK PANEL ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP6727	CONNECTOR MOUNT PLATE A	1	
2	VMP7966	CONNECTOR MOUNT PLATE B	1	
3	VMX3062	BNC CNCT HOLDER RUBBER	1	
4	VMX3064	CONNECTOR HOLDER RUBBER C	1	
5	VMX3405	CONNECTOR HOLDER RUBBER E	1	
6	XYN26+J6	SCREW	3	
7	VMP7964	BNC CONNECTOR SUPPORTER	1	
8	VMX3406	SUPPORT RUBBER (F)	2	
9	XTV3+6F	SCREW	1	
10	VMP7963	BNC CONNECTOR BASE PLATE	1	
11	VMP7965	BLIND PANEL	1	
12	VMP7958	OPTION PANEL	1	
13	K1SMBDBA0001	BNC	4	
14	XSB2+6FZ	SCREW	2	
15	VEE0E46380	COAXIAL CABLE	1	
16	VEE0E48380	COAXIAL CABLE	1	
17	VEE0E47380	COAXIAL CABLE	1	
18	VEE0E12380	COAXIAL CABLE	1	
19	VJF0300	A/C HEAD BINDER	3	
E2	VEP83634B	SGEN SDI P.C.BOARD	1	
E2-1	VEP83631A	HD SDI RX P.C.BOARD	1	FOR VEP83634B
E2-2	VEP83632A	HD SDI TX P.C.BOARD	1	FOR VEP83634B

PACKING ASSEMBLY (AJ-YA120AG)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.



PACKING PARTS ASSEMBLY

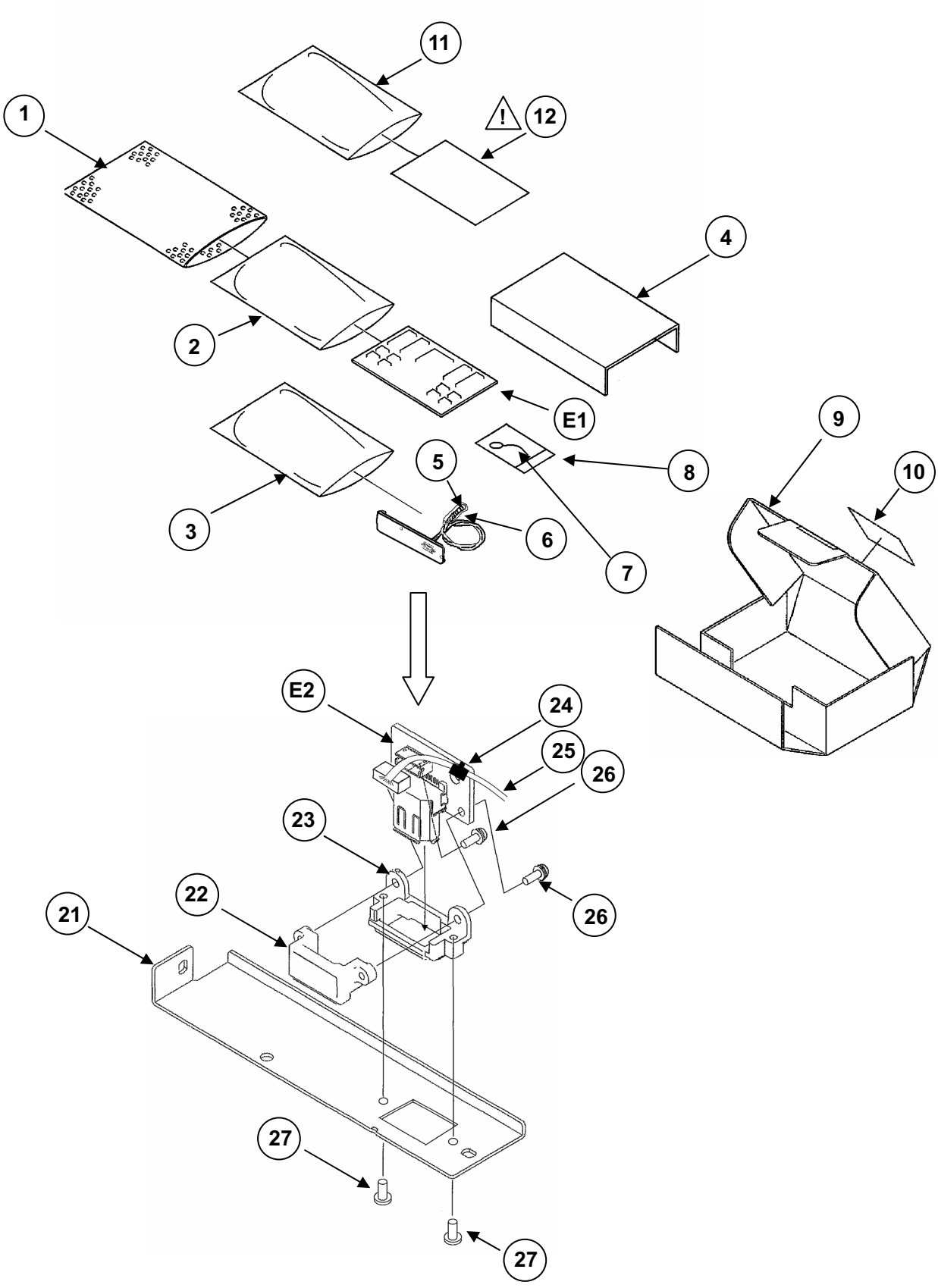
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPF0678	CUSHION BAG	2	
2	VPF0359	CONDUCTION BAG	2	
3	VPF0679	POLYETHYLENE BAG	1	
4	VPN5312	CUSHION	1	
5	VPF1016	POLYETHYLENE BAG (INNER)	1	
6	VPF0892	POLYETHYLENE BAG (OUTER)	1	
7	VQL9822	PACKING LABEL	1	
8	VPG6296	PACKING CASE	1	
9	VPF0681	POLYETHYLENE BAG	1	
⚠ 10	VQT0L39	OPERATING INSTRUCTIONS	1	
E1	VEP83573H	I/O CONV P.C.BOARD	1	
E2	VEP83634B	SGEN SDI P.C.BOARD	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PACKING / JACK PANEL ASSEMBLY (AJ-YAD120AG)

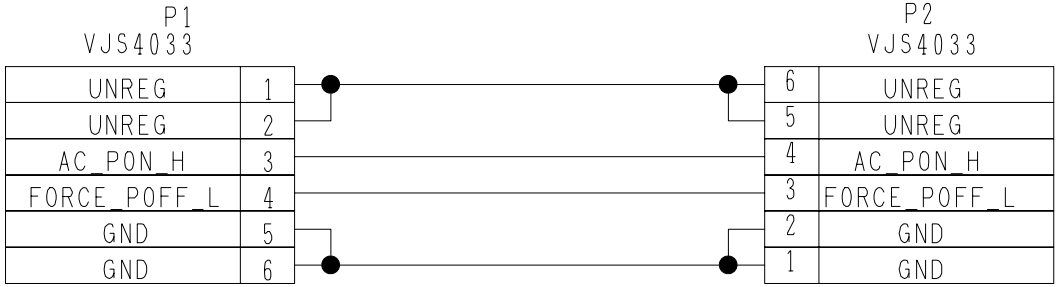
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.



PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

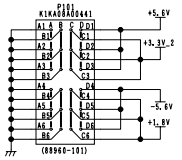
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPFO678	CUSHION BAG	1	
2	VPFO359	CONDUCTION BAG	1	
3	VPFO679	POLYETHYLENE BAG	1	
4	VPN5312	CUSHION	1	
5	VPFO508	POLYETHYLENE BAG (INNER)	1	
6	VPFO892	POLYETHYLENE BAG (OUTER)	1	
7	VJFO300	BIND	1	
8	VPF1016	POLYETHYLENE BAG	1	
9	VPG6296	PACKING CASE	1	
10	VQL9822	PACKING LABEL	1	
11	VPFO681	POLYETHYLENE BAG	1	
⚠ 12	VQTO140	OPERATING INSTRUCTIONS	1	
E1	VEP83651A	1394 IF P.C. BOARD	1	
21	VMP7959	OPTION PANEL	1	
22	VJF1490	CONNECTOR HOLDER (A)	1	
23	VJF1491	CONNECTOR HOLDER (B)	1	
24	VJFO300	BIND	1	
25	VEEOX36	DIF CABLE	1	
26	XYN2+J6	SCREW	2	
27	XSB2+6FZ	SCREW	2	
E2	VEP80D12A	CN P.C. BOARD	1	



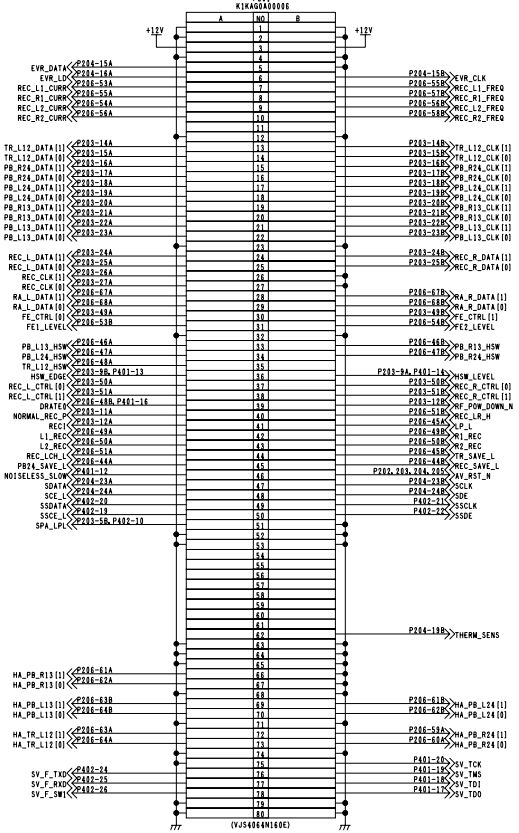
COMPONENT NAME	POWER CONNECT	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP80A88A		(1/1)
		SCM075

A B C D E F G H I J

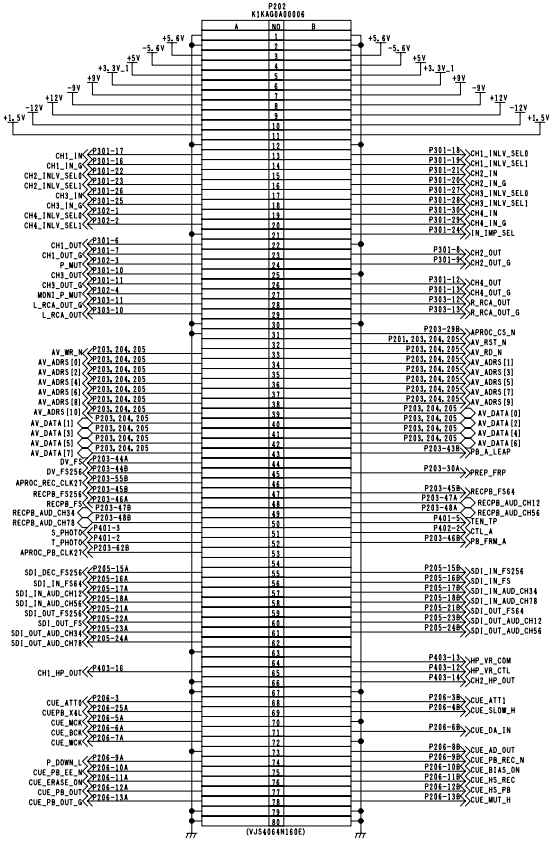
1 2 3 4 5 6 7 8 9 10 11 12 13 14



[F1 RF/EQ]



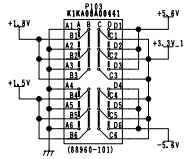
[F2 APROC]



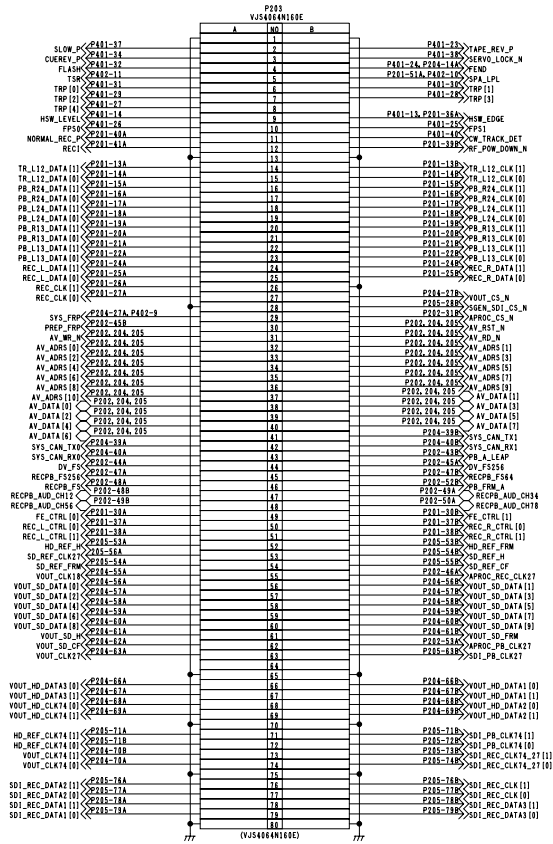
COMPONENT NAME	MOTHER	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C73B		KR 0A0012(1/3)
		SCM001

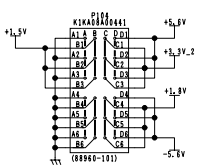
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

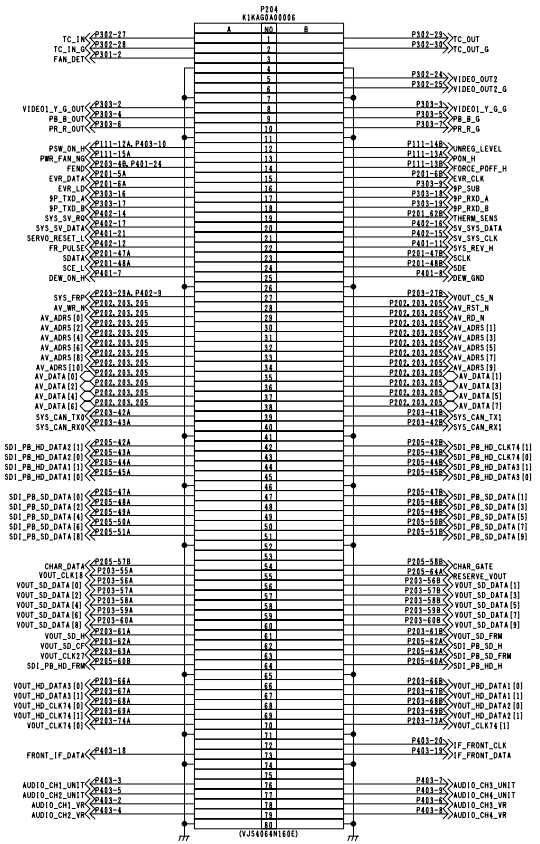


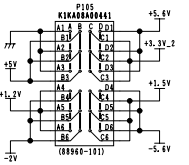
[F3 REC_PB]



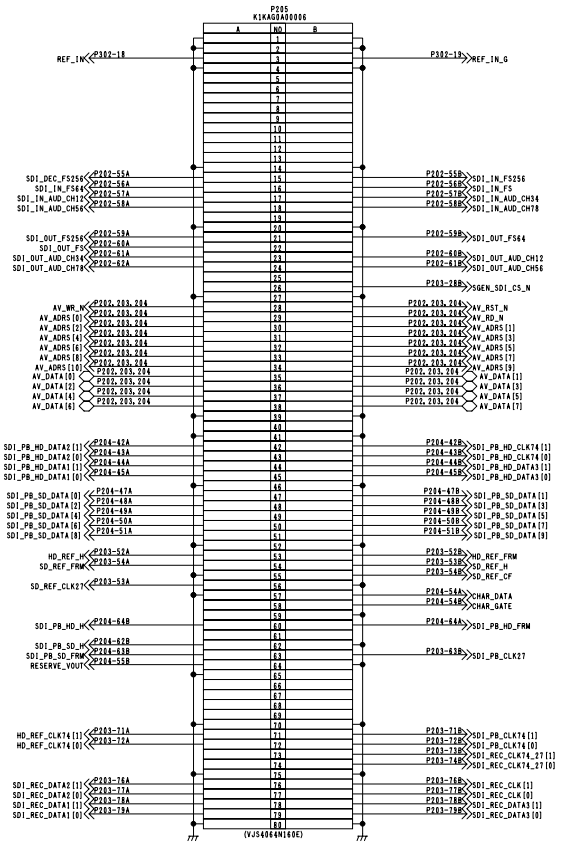


[F4 VOUT/SYS]





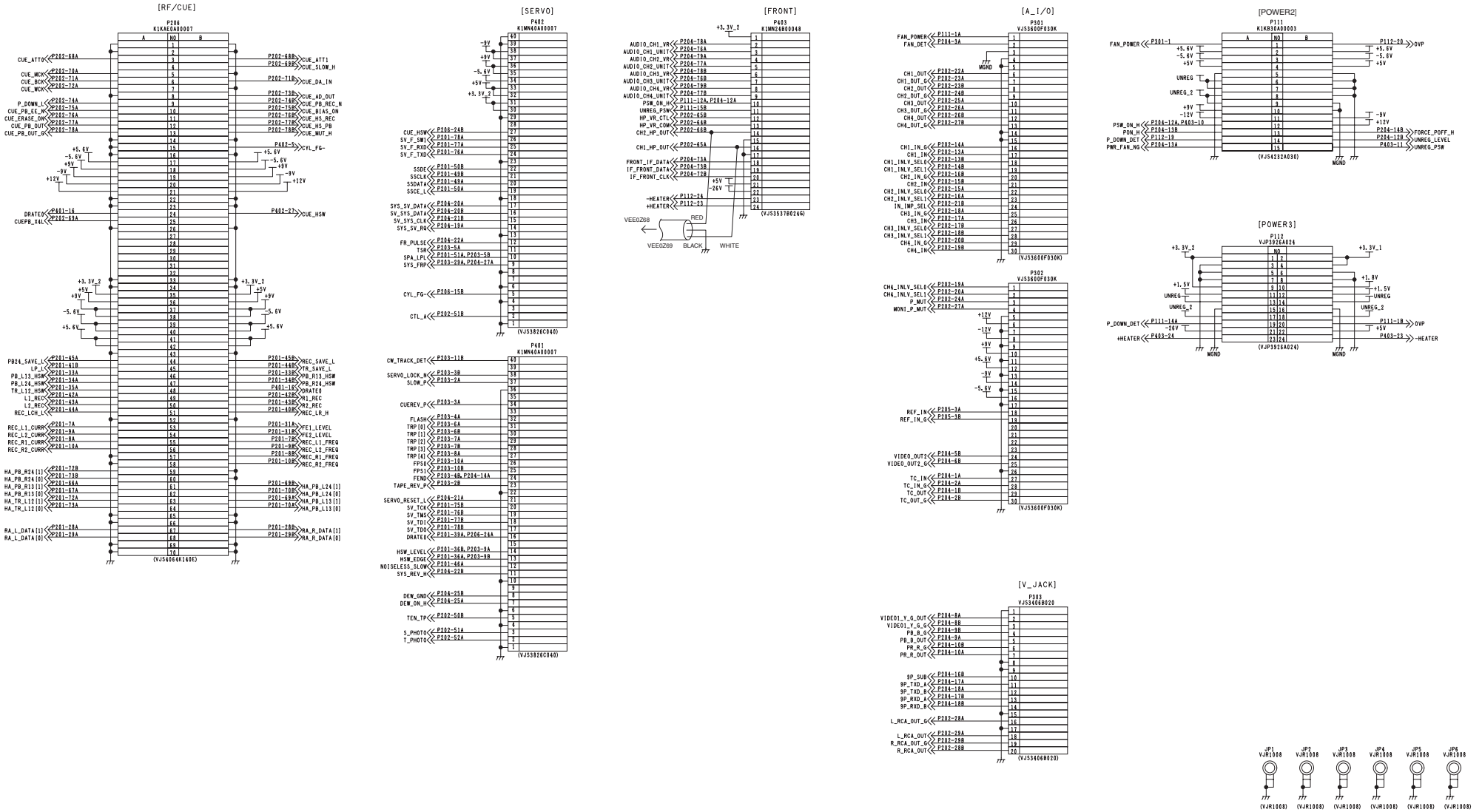
[F5 SGEN/SDI]

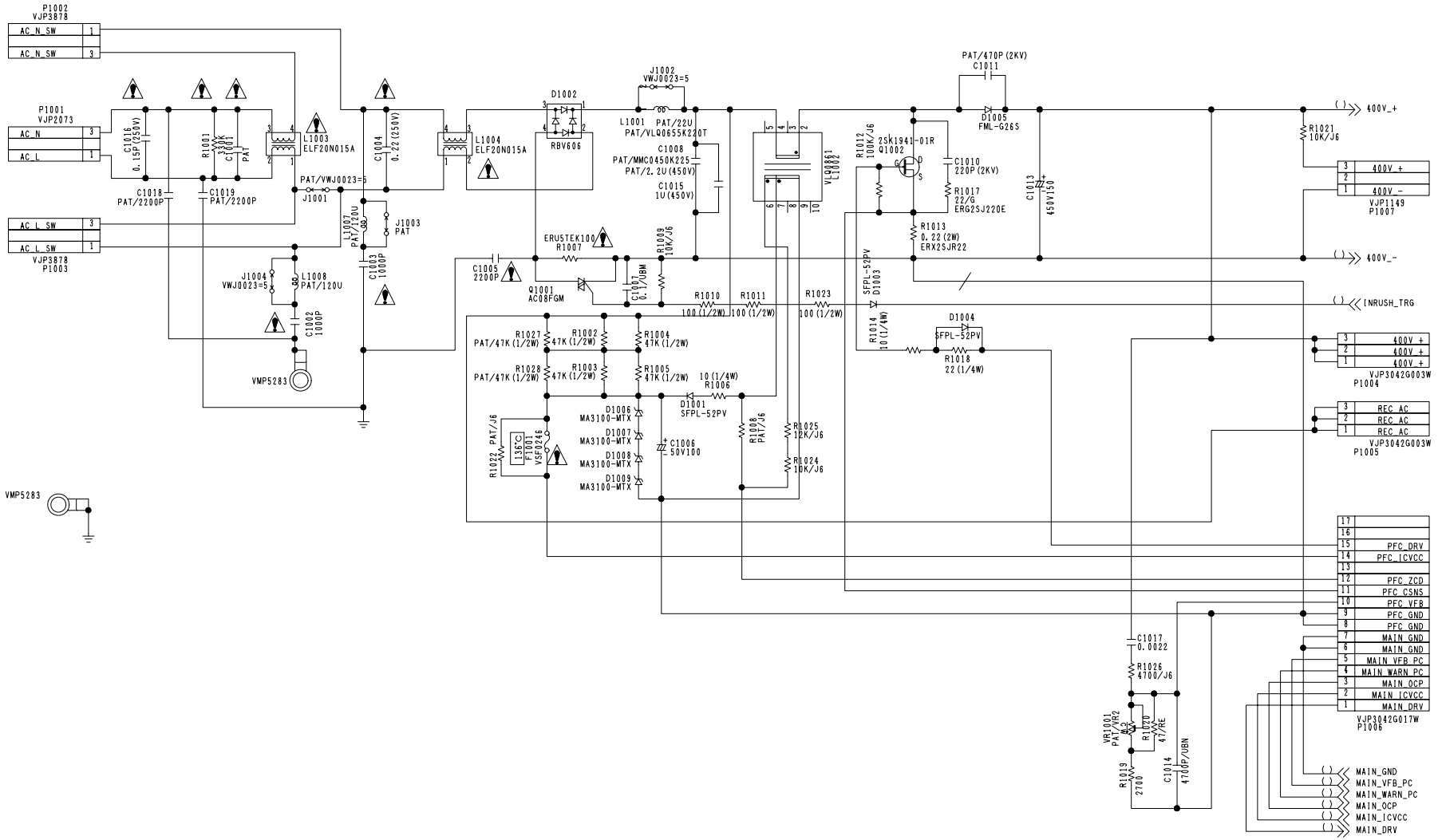


COMPONENT NAME	MOTHER	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C73B		KR 0A0012(2/3)
		SCM002

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14


[RF/CUE]
[SERVO]
[FRONT]
[A_I/O]
[POWER2]
[POWER3]
[V_JACK]
(VJ54064K140E)
(VJ53826C040)
(VJ53826C040)
(VJ53537B024G)
(VJ53600F030K)
(VJ53600F030K)
(VJ54232A030)
(VJ3926A024)
(VJ53406B020)
(VJR1008)
COMPONENT NAME
MOTHER
03/03
CIRCUIT BOARD NO.
VEP80C73B
DRAWING NO.
KR 0A0012(3/3)
SCM003

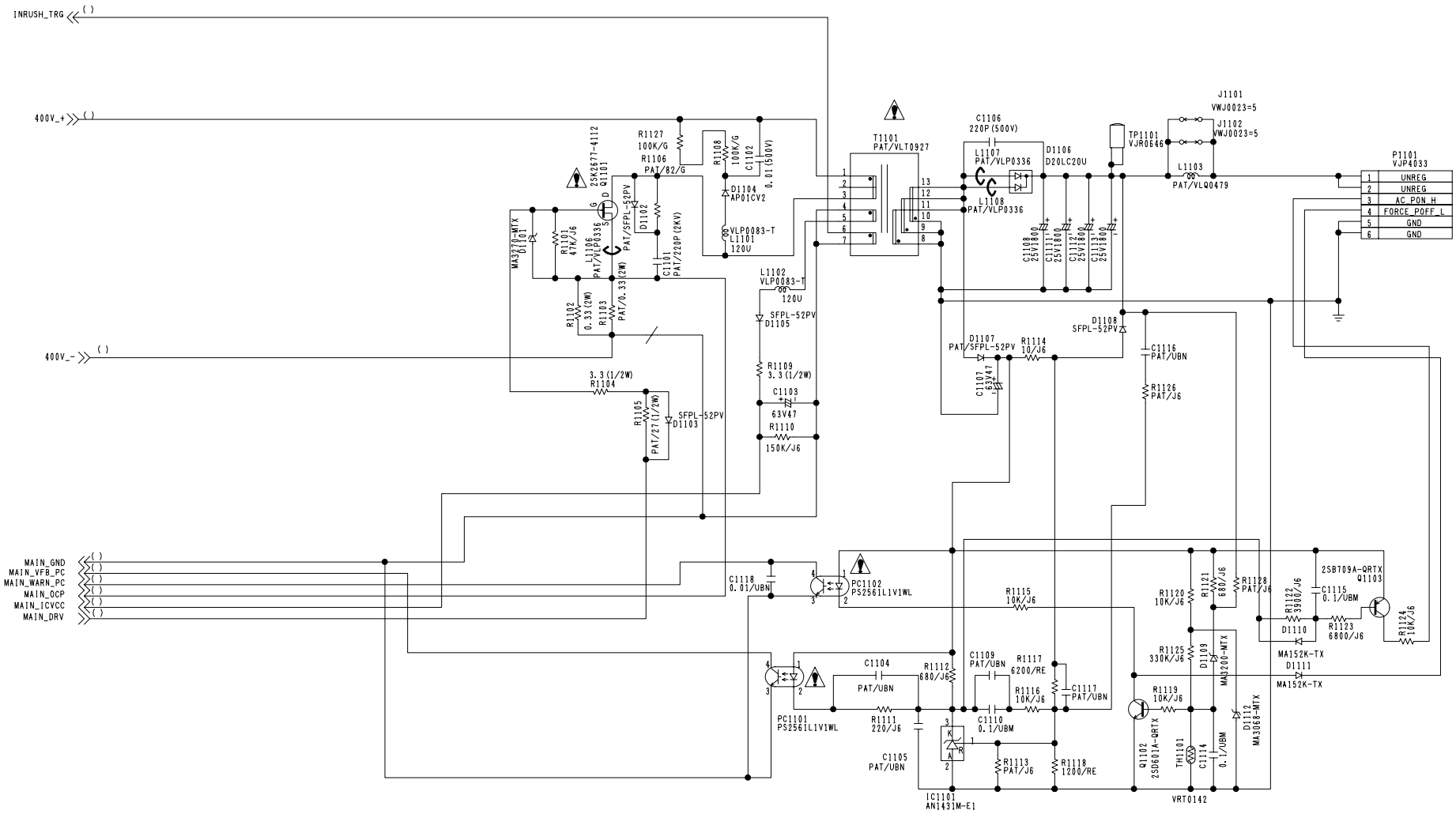


IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER1	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81203E		KR 1D27(1/2)
		SCM064



IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

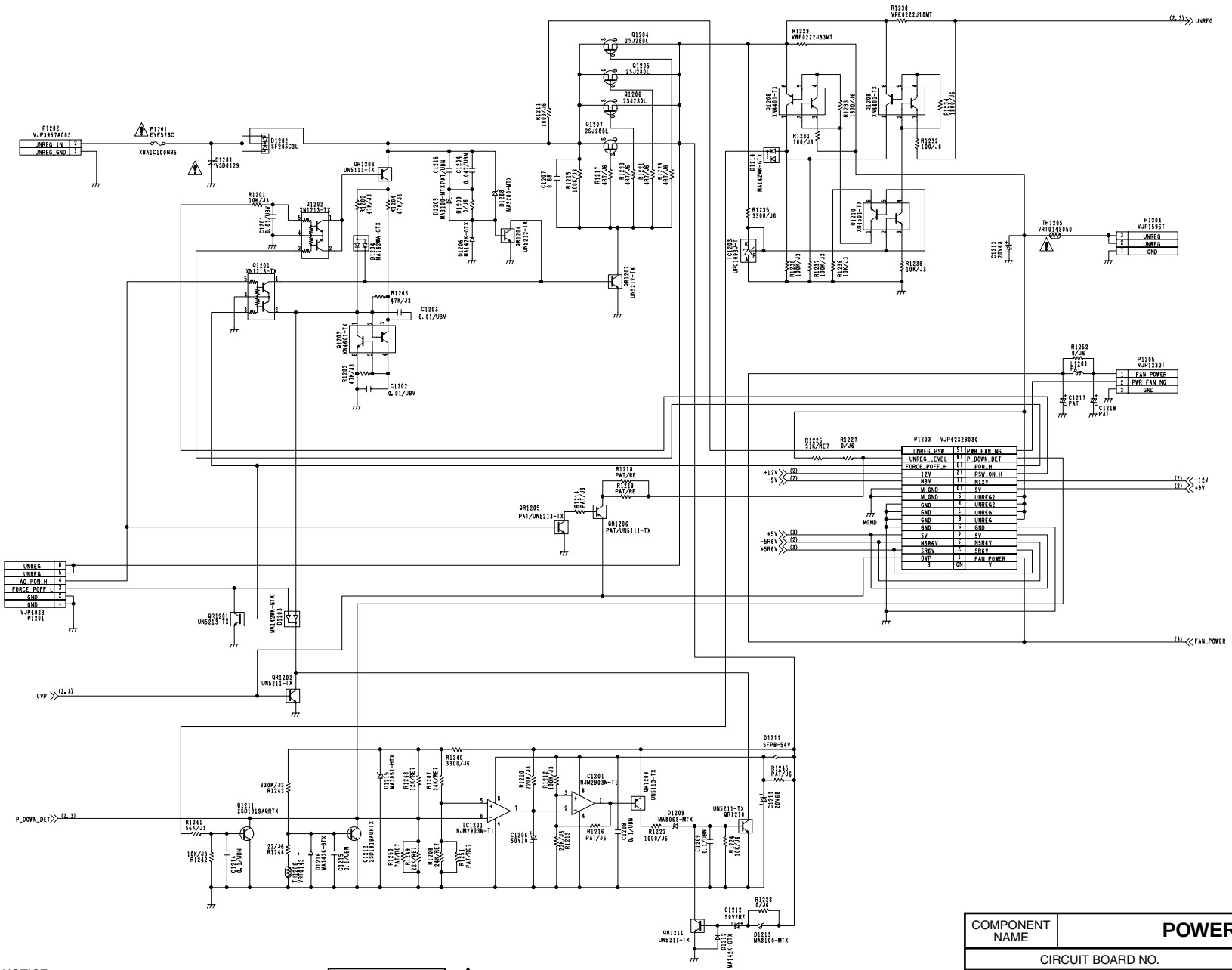
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER1	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81203E		KR 1D27(2/2)
		SCM065

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14



IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

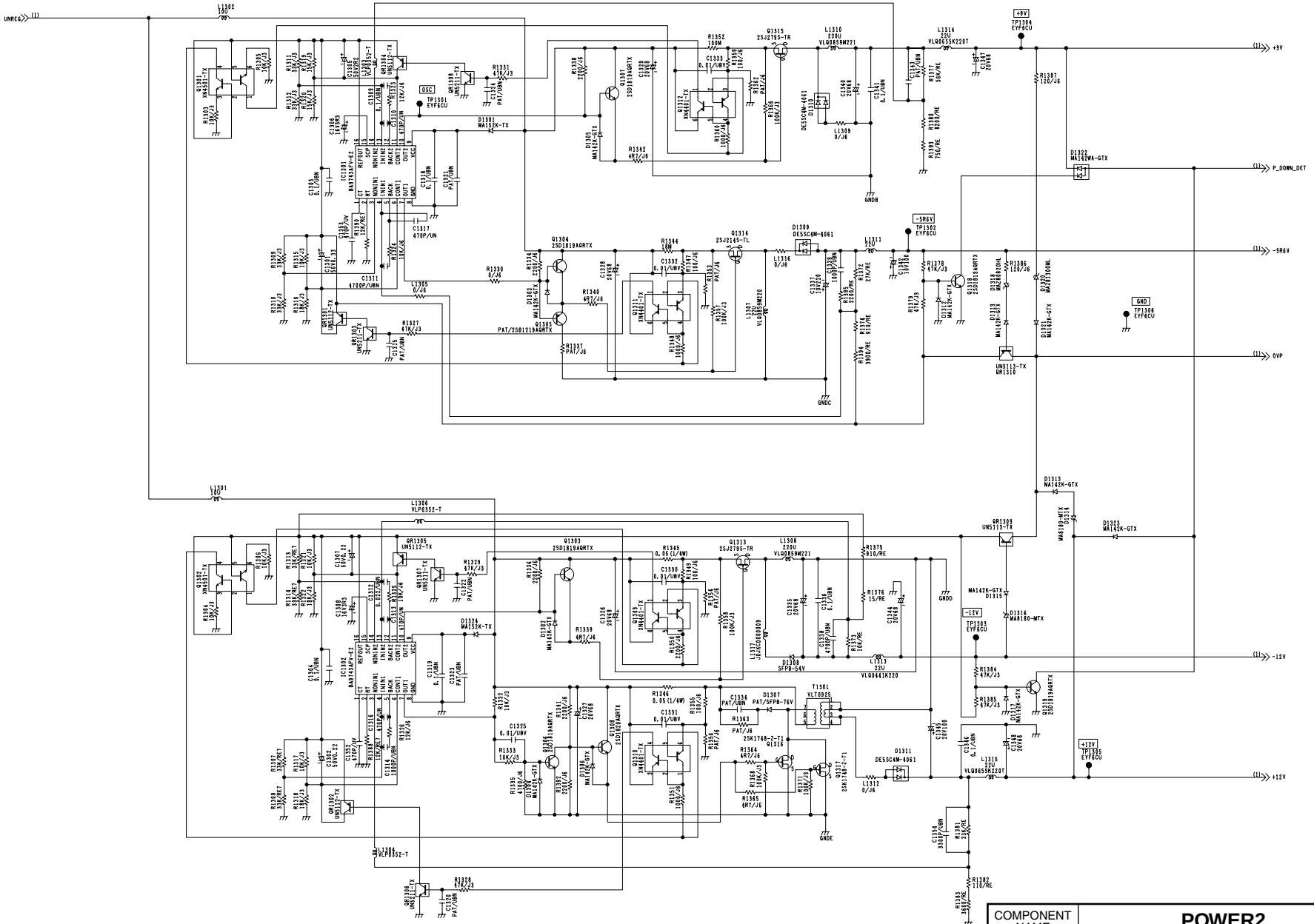
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
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必ず指定の部品をご使用ください。

COMPONENT NAME	POWER2	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(1/4)
		SCM067

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

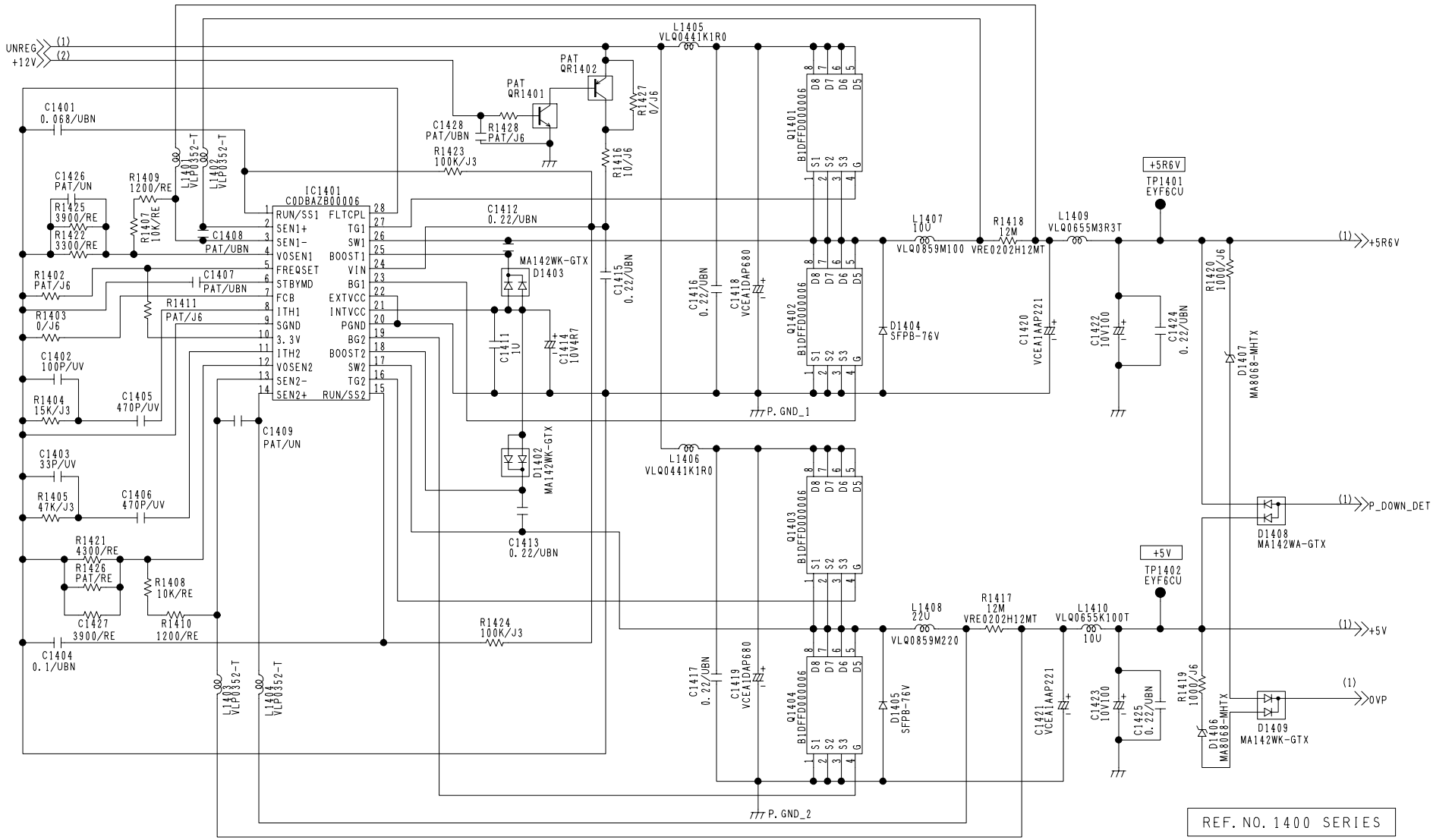


IMPORTANT SAFETY NOTICE:
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When replacing any of these components, use only the same type.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
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COMPONENT NAME	POWER2	02/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(2/4)
		SCM068



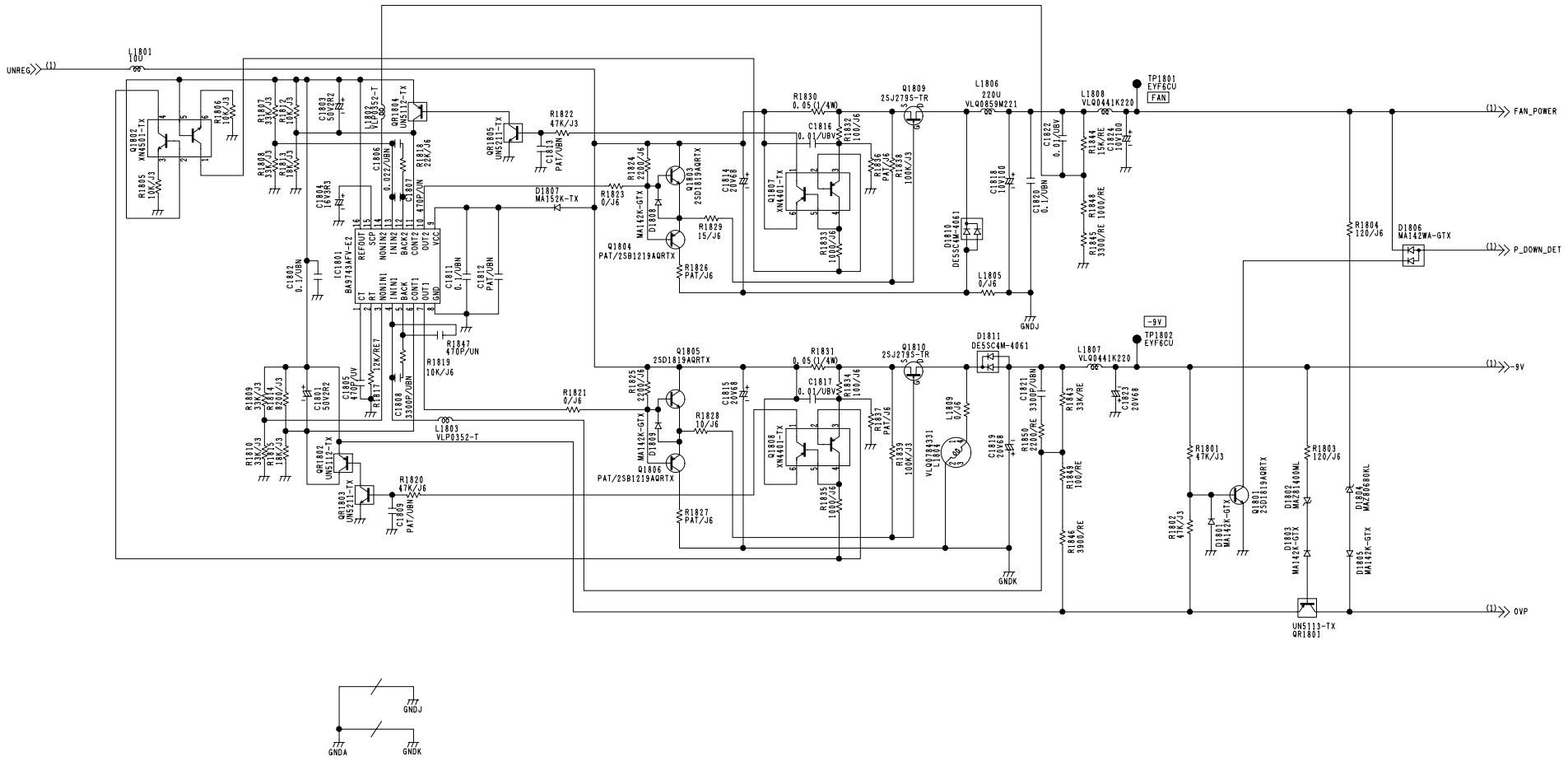
GNDA P. GND_1 P. GND_2

IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	POWER2	03/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(3/4)
		SCM069



IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

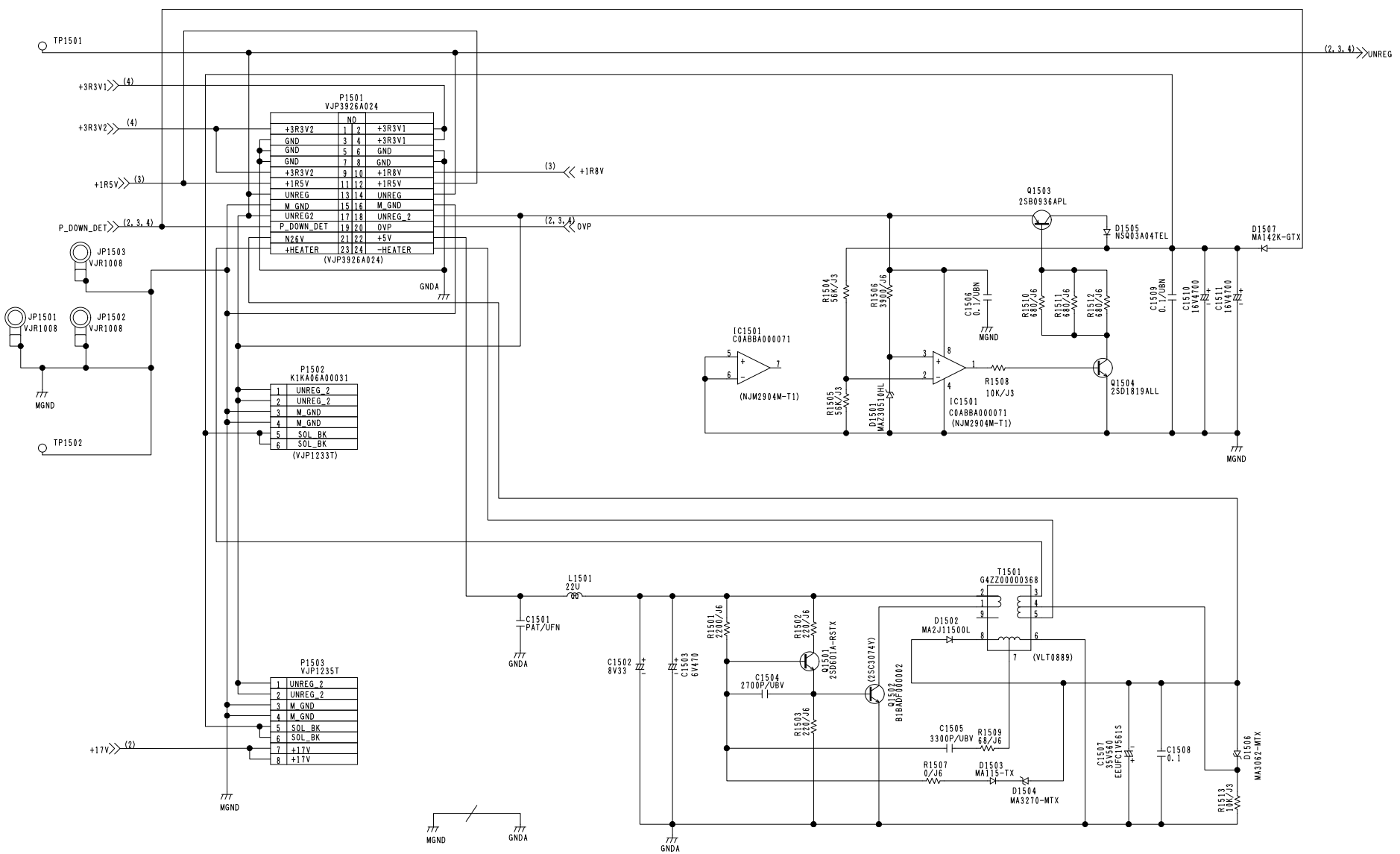
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

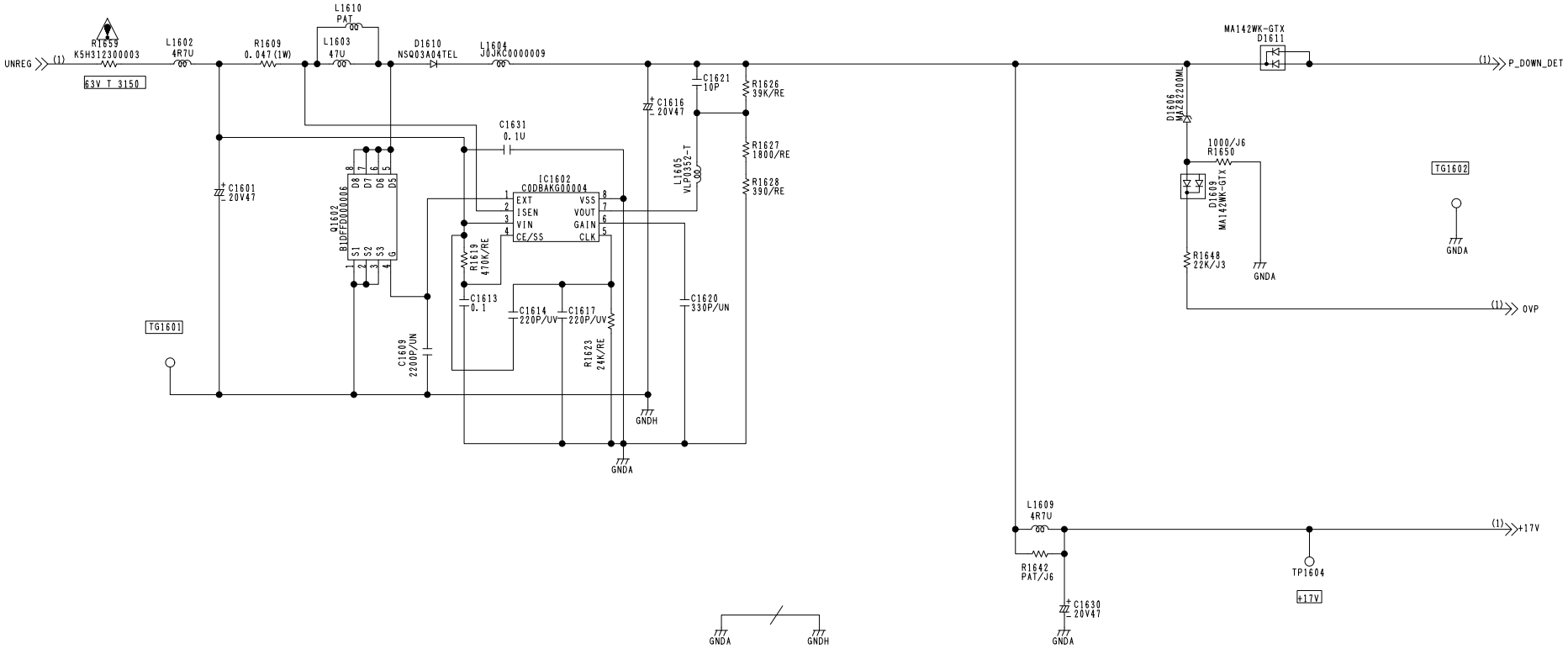
COMPONENT NAME	POWER2	04/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP81219B		KR 1E79(4/4)
		SCM070

A B C D E F G H I J

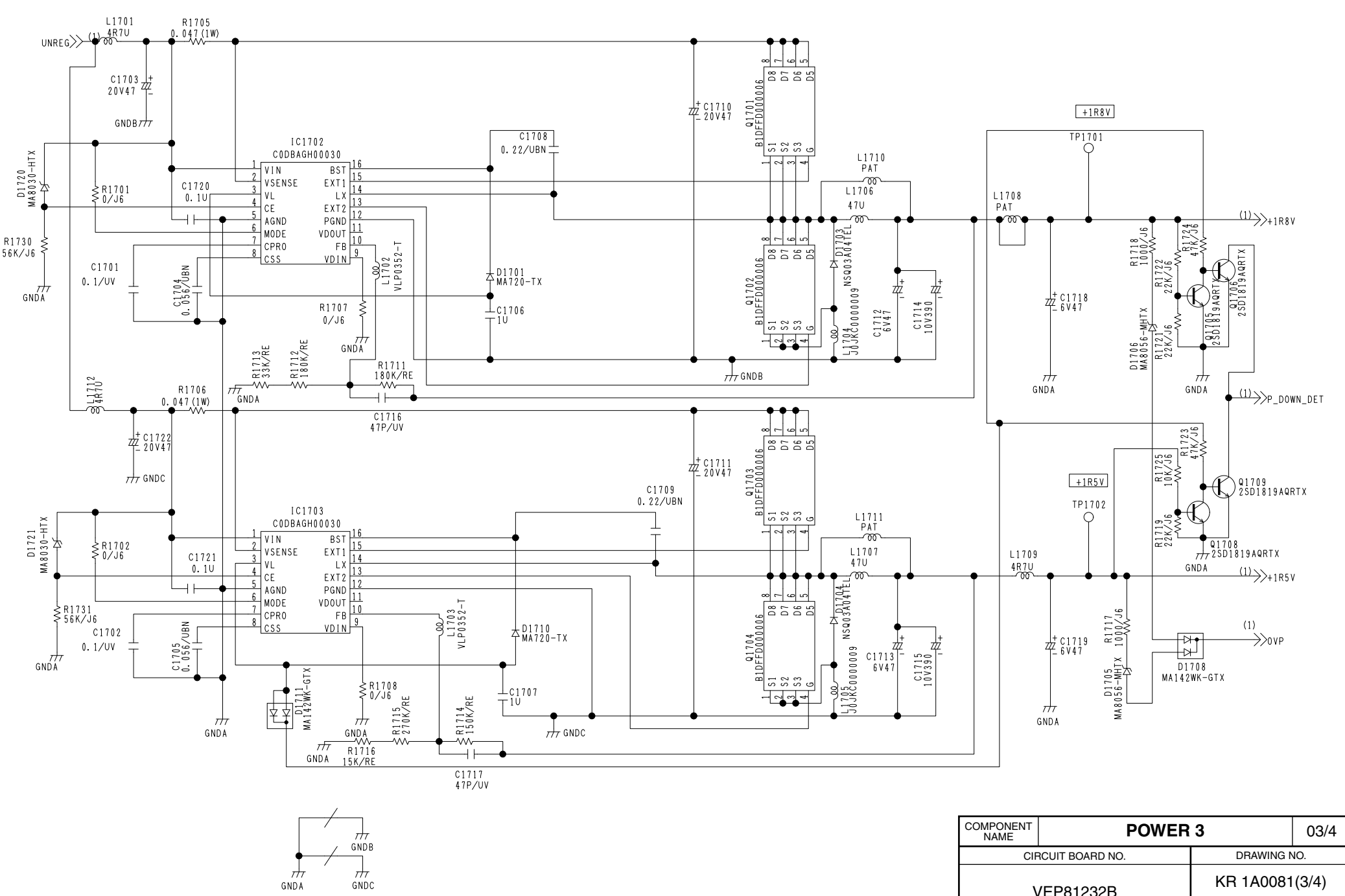
1 2 3 4 5 6 7 8 9 10 11 12 13 14



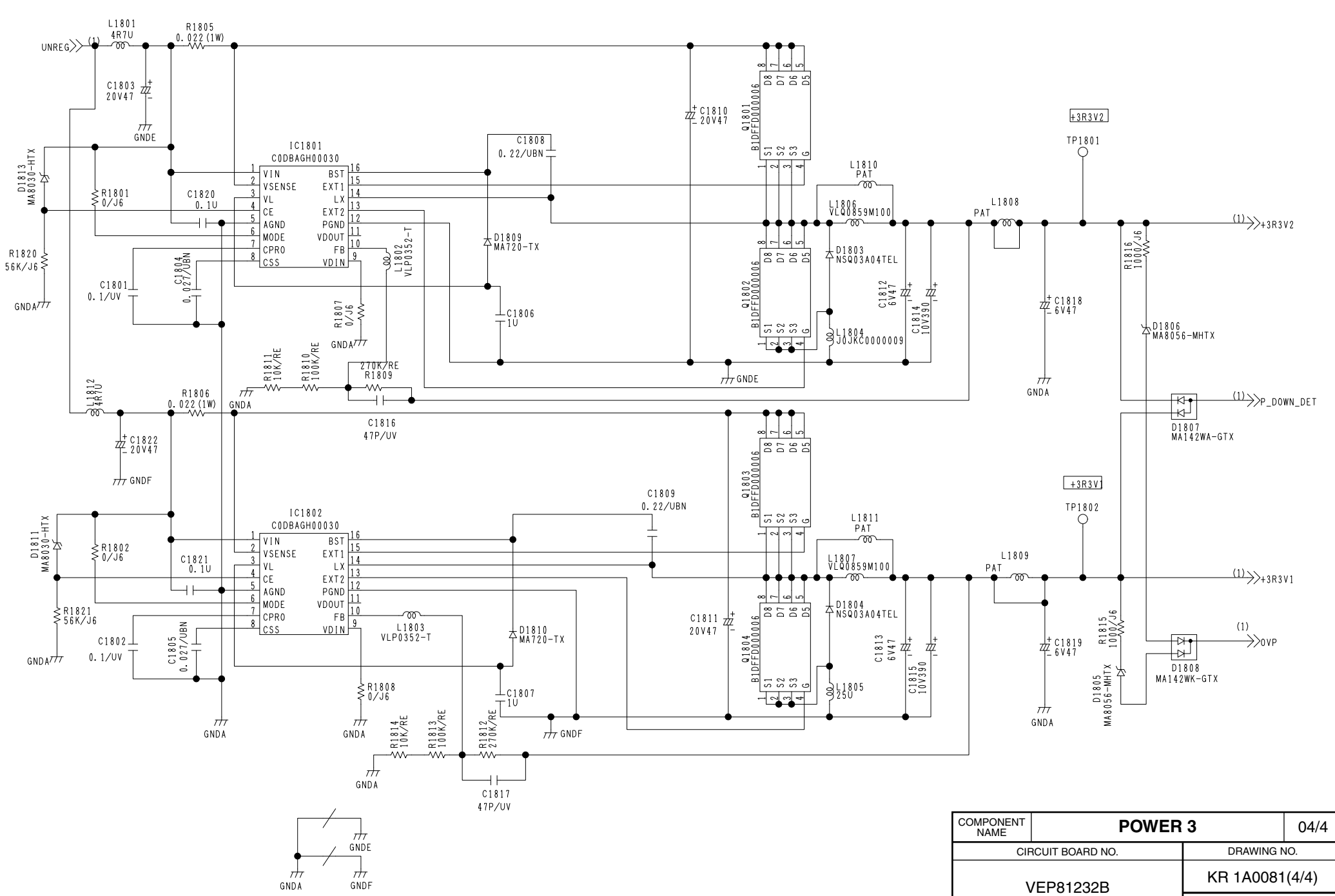
COMPONENT NAME	POWER 3	01/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232B		KR 1A0081(1/4)
		SCM071



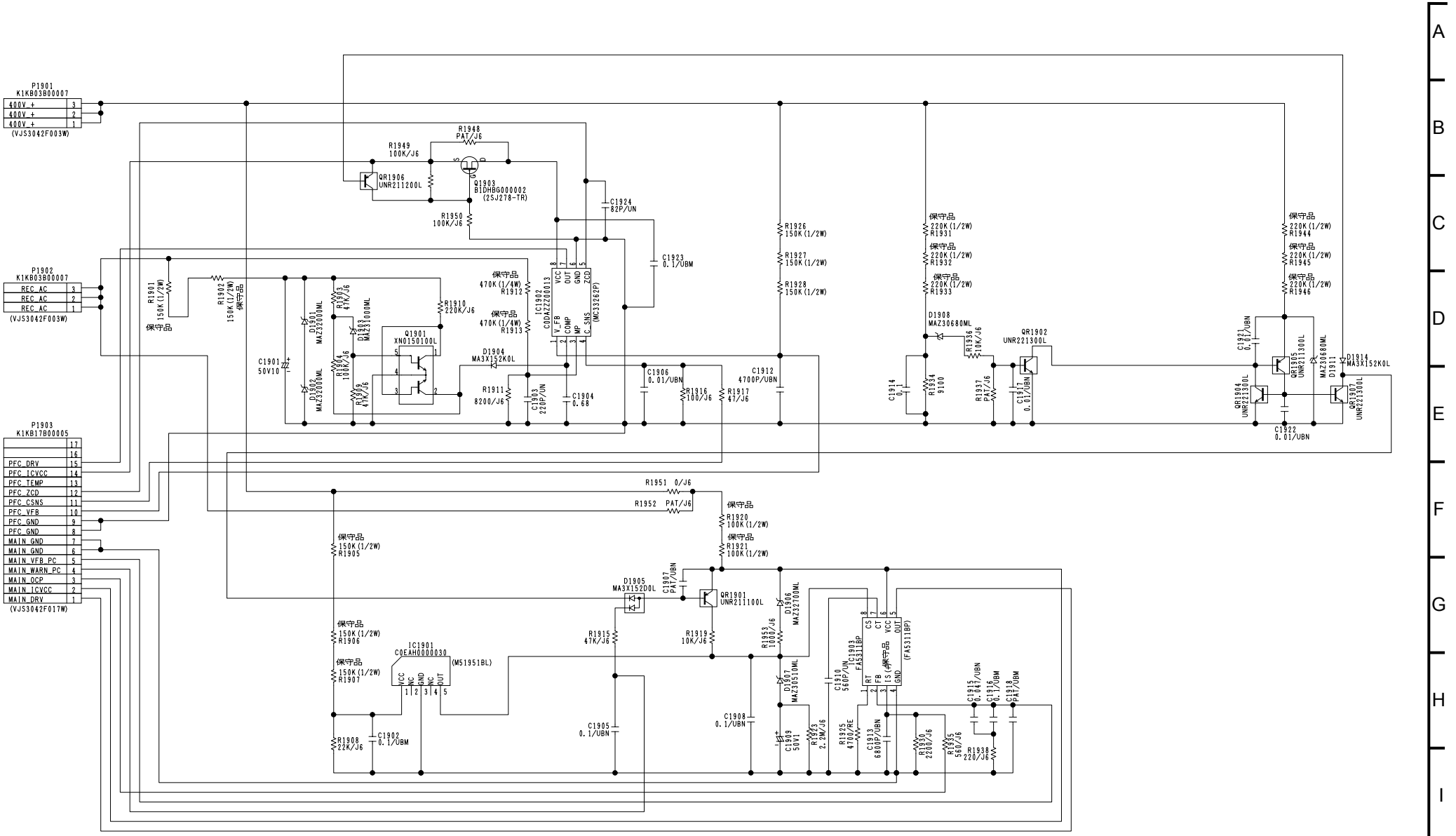
COMPONENT NAME	**POWER 3**	02/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232B		KR 1A0081(2/4)
		SCM072



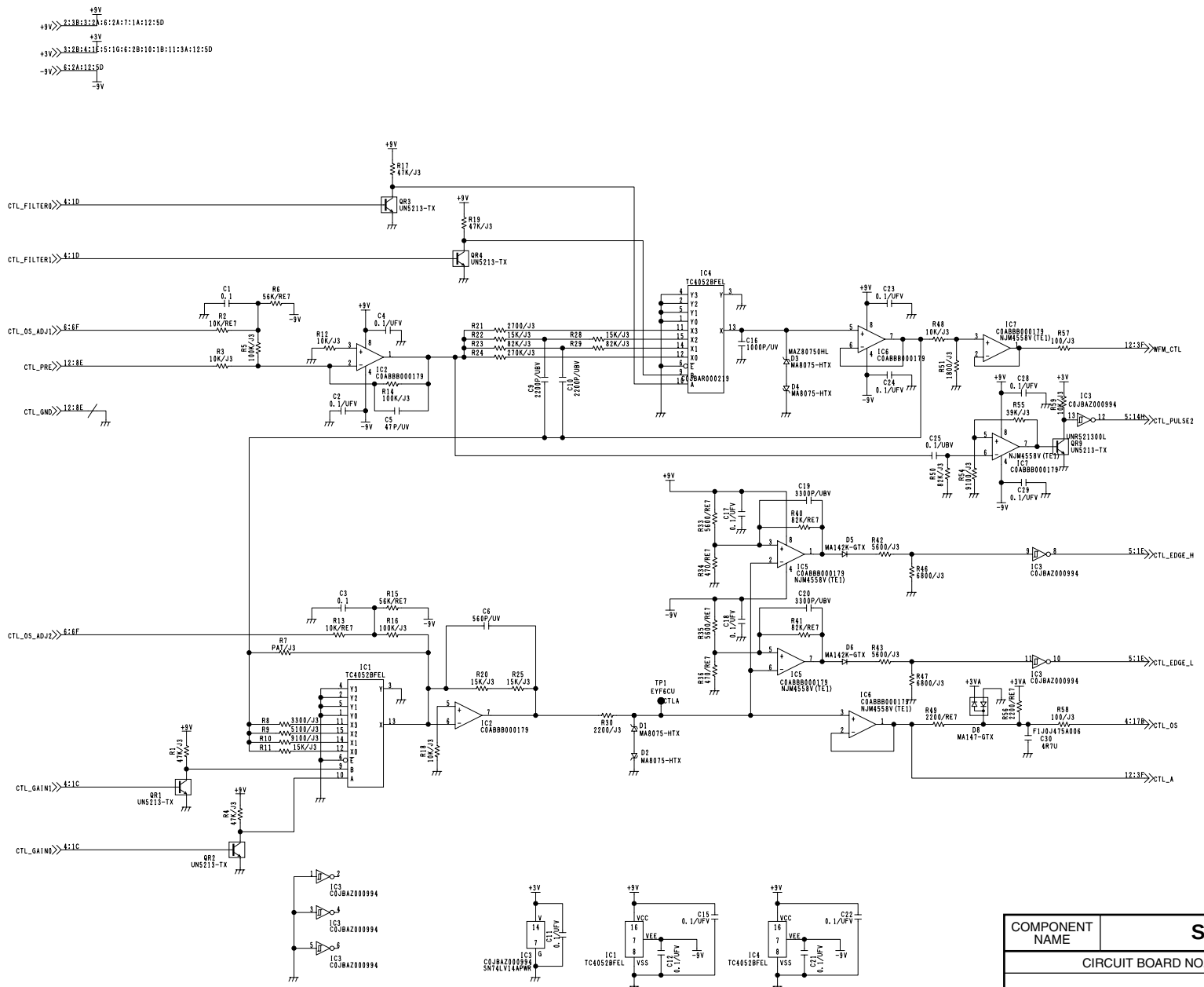
COMPONENT NAME	POWER 3	03/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232B		KR 1A0081(3/4)
		SCM073



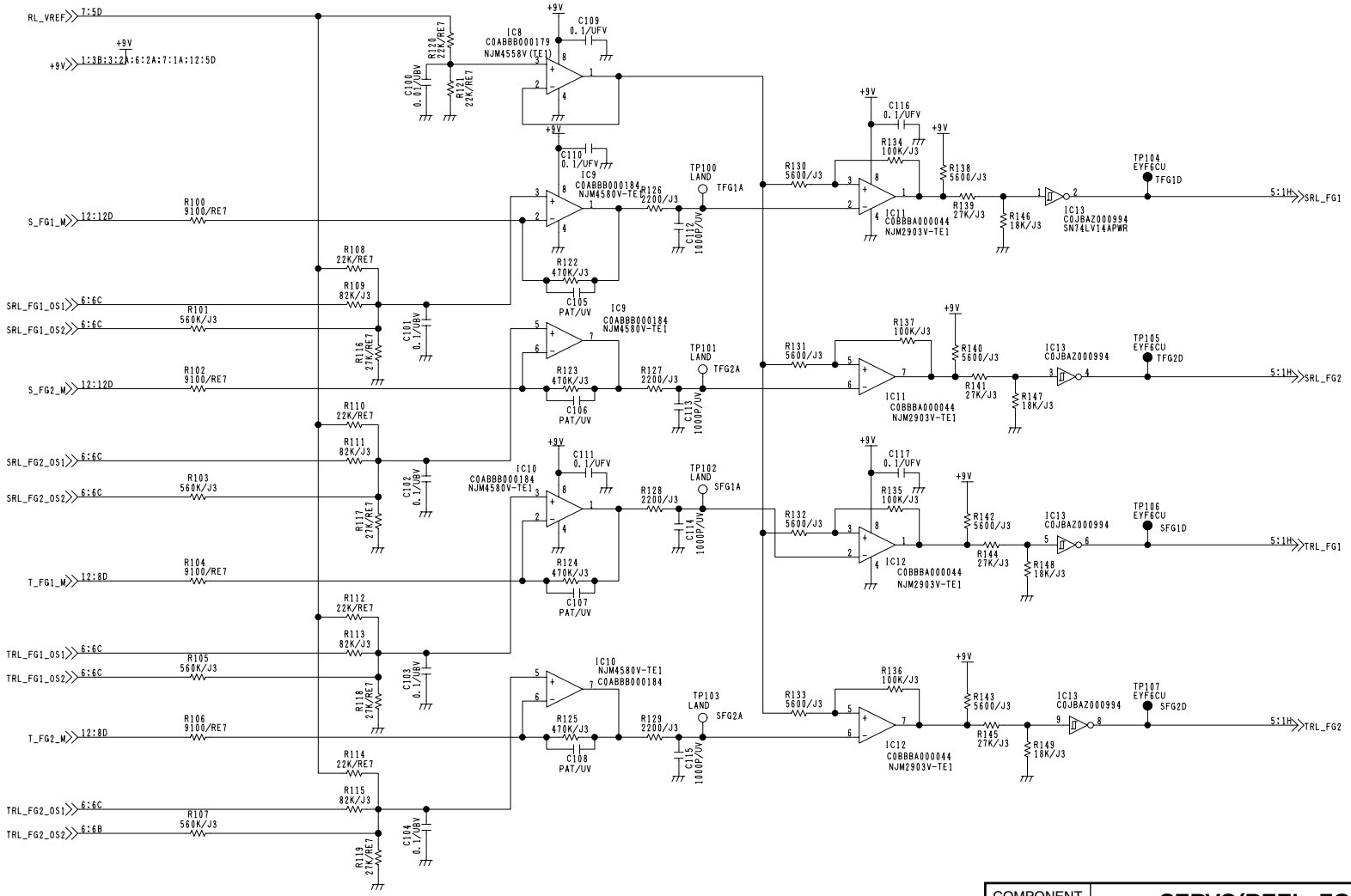
COMPONENT NAME	POWER 3	04/4
CIRCUIT BOARD NO.		DRAWING NO.
VEP81232B		KR 1A0081(4/4)
		SCM074



COMPONENT NAME	SUB_POWER1(1/1)	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP81233A		KR 1A0015(1/1)
		SCM066



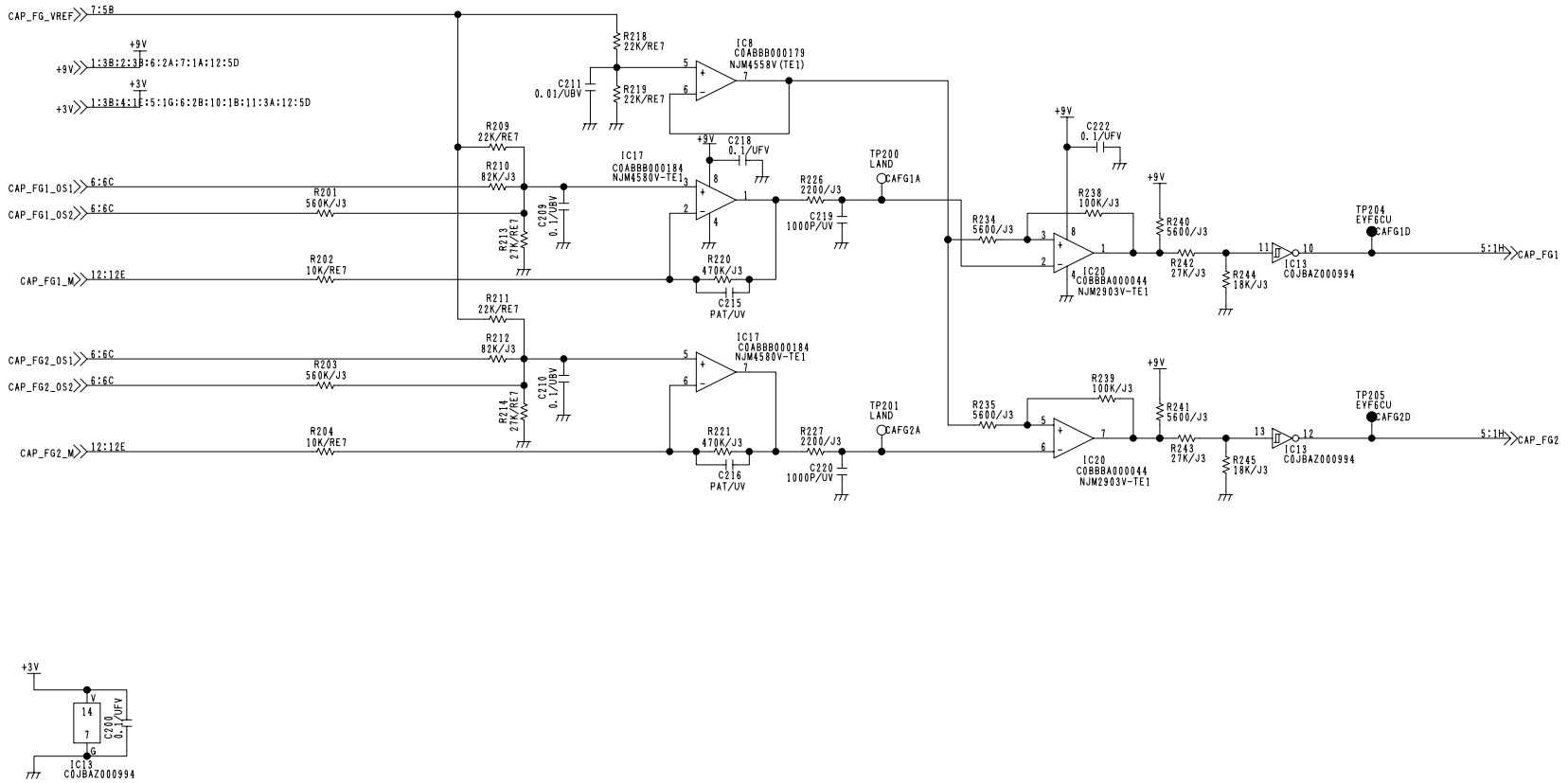
COMPONENT NAME	**SERVO(CTL)**	1/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(1/13)
		SCM080



COMPONENT NAME	**SERVO(REEL_FG)**	2/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(2/13)
		SCM081

A B C D E F G H I J

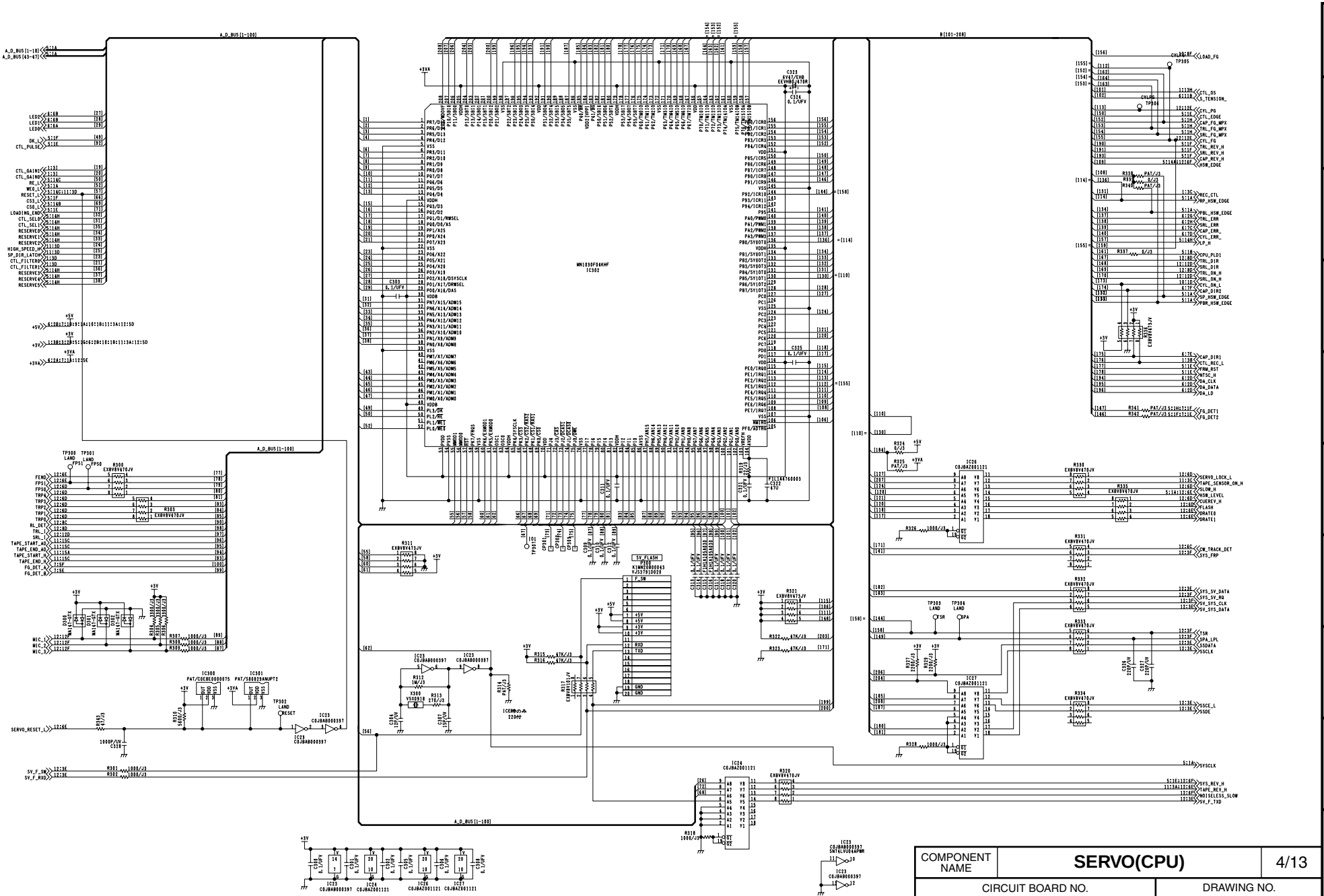
1 2 3 4 5 6 7 8 9 10 11 12 13 14



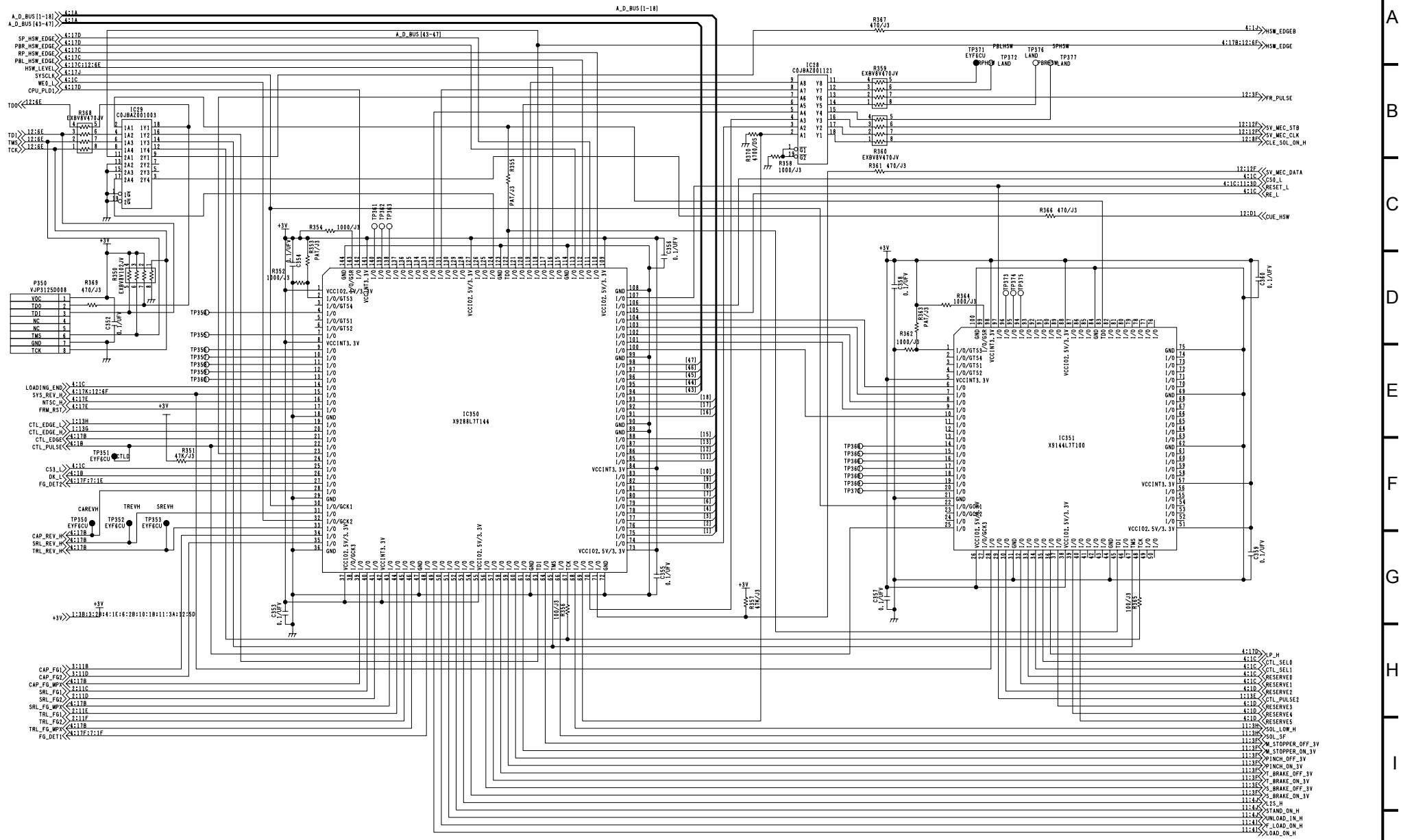
COMPONENT NAME	**SERVO(CA_CY_FG)**	3/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(3/13)
		SCM082

A B C D E F G H I J

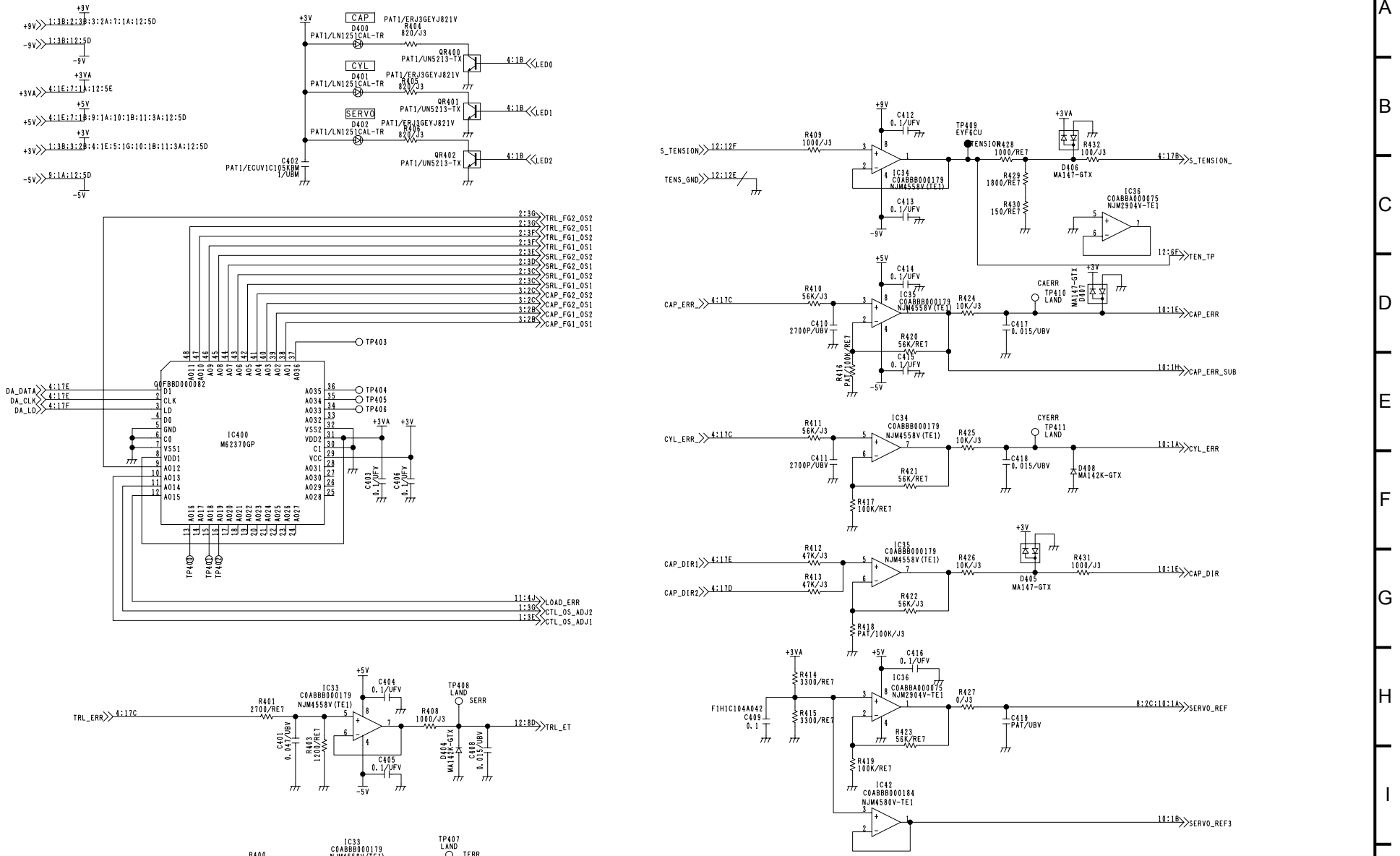
1 2 3 4 5 6 7 8 9 10 11 12 13 14



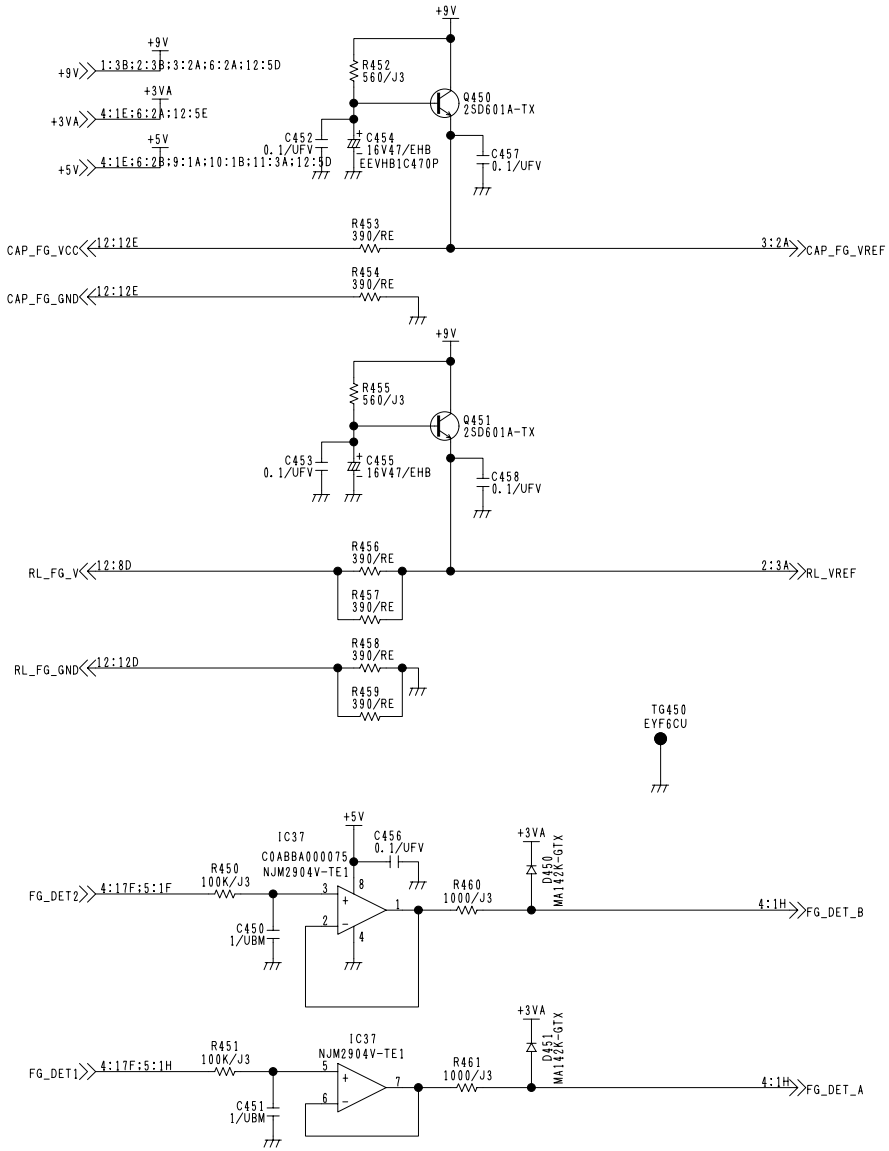
COMPONENT NAME	**SERVO(CPU)**	4/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(4/13)
		SCM083



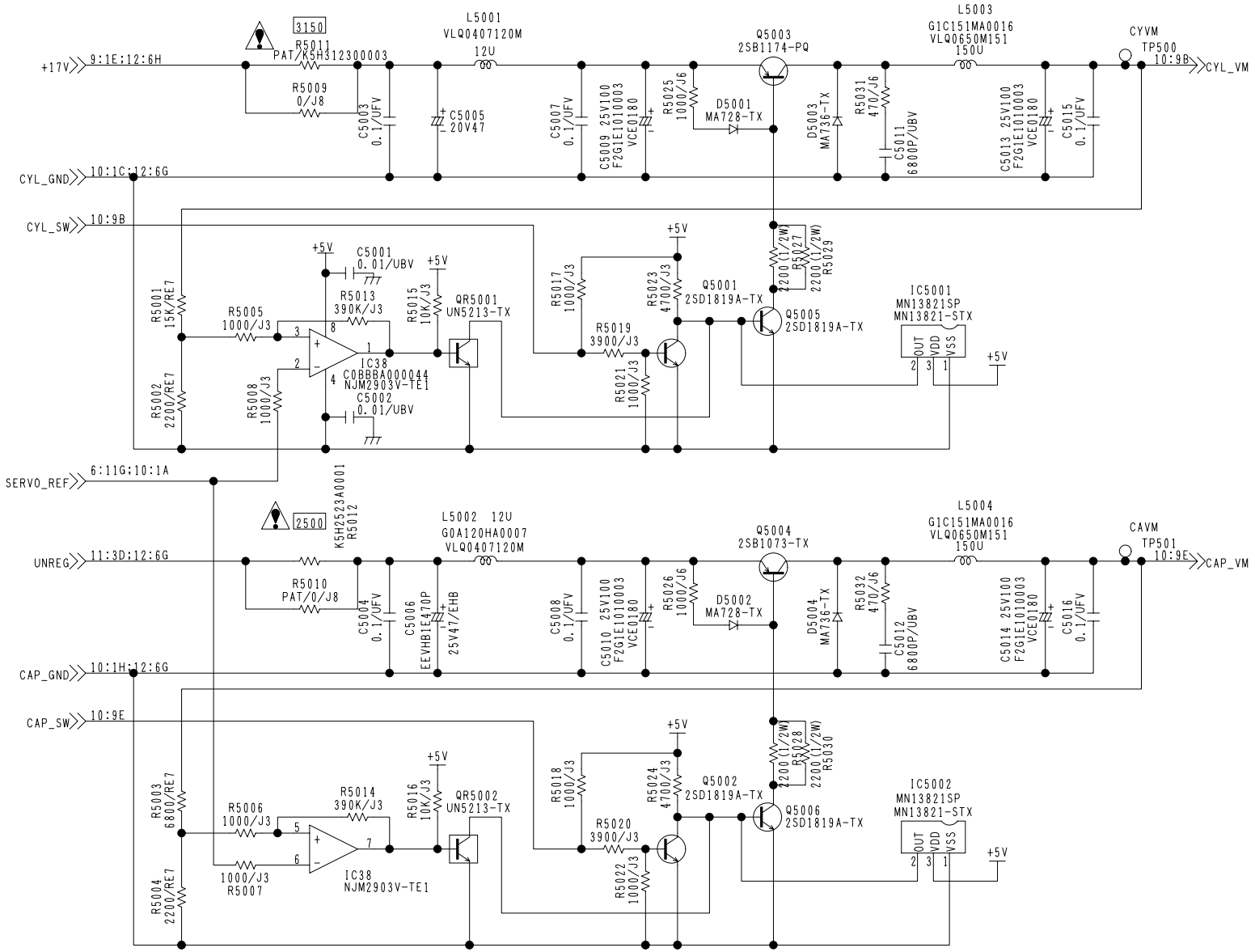
COMPONENT NAME	**SERVO(PLD)**	5/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82249B	KR 2A0004-1(5/13)	
	SCM084	



COMPONENT NAME	**SERVO(CPU_IF)**	6/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(6/13)
		SCM085



COMPONENT NAME	**SERVO(POWER)**	7/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(7/13)
		SCM086



IMPORTANT SAFETY NOTICE:
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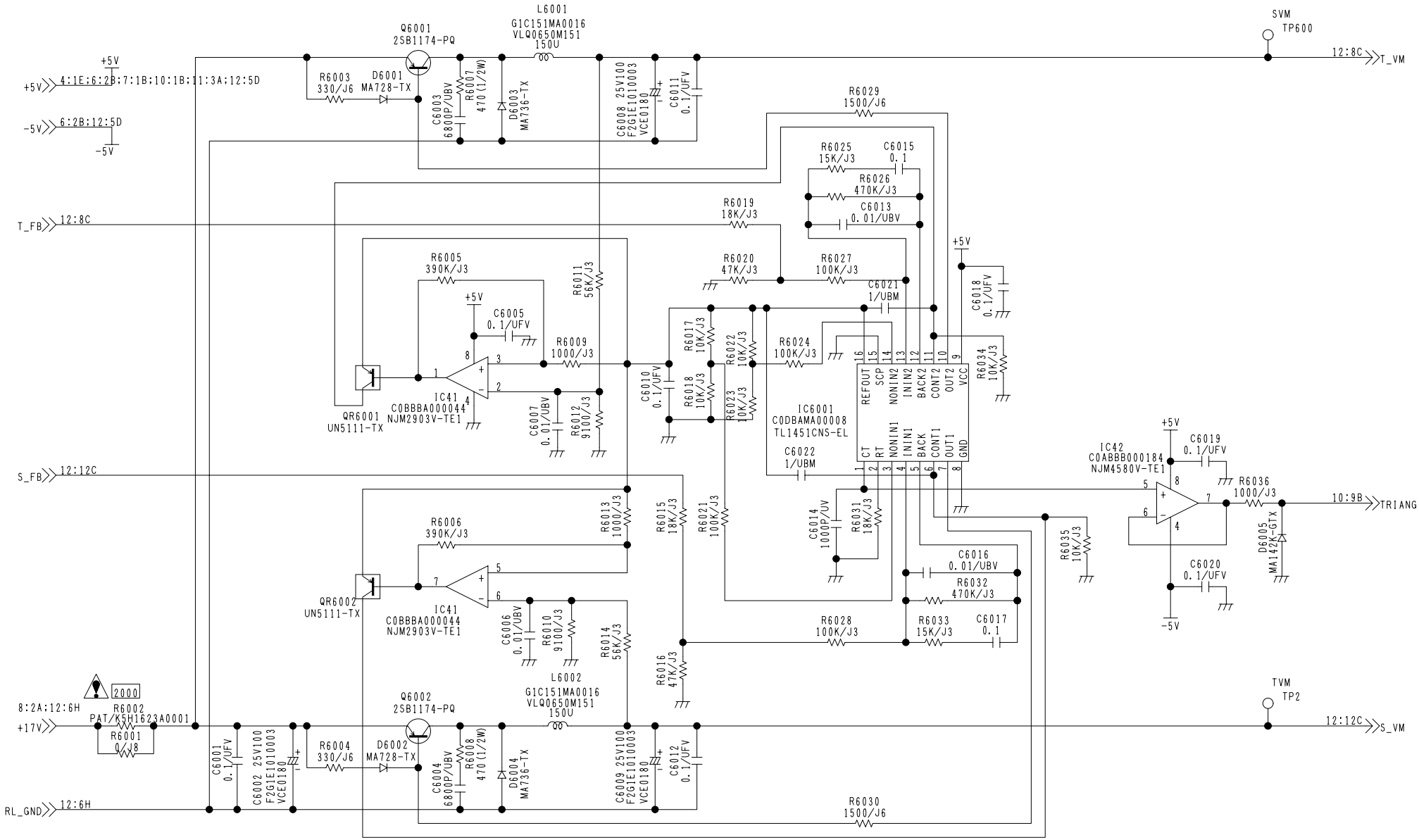
⚠ 警 告

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COMPONENT NAME	SERVO(SW2)	8/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(8/13)
		SCM087

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

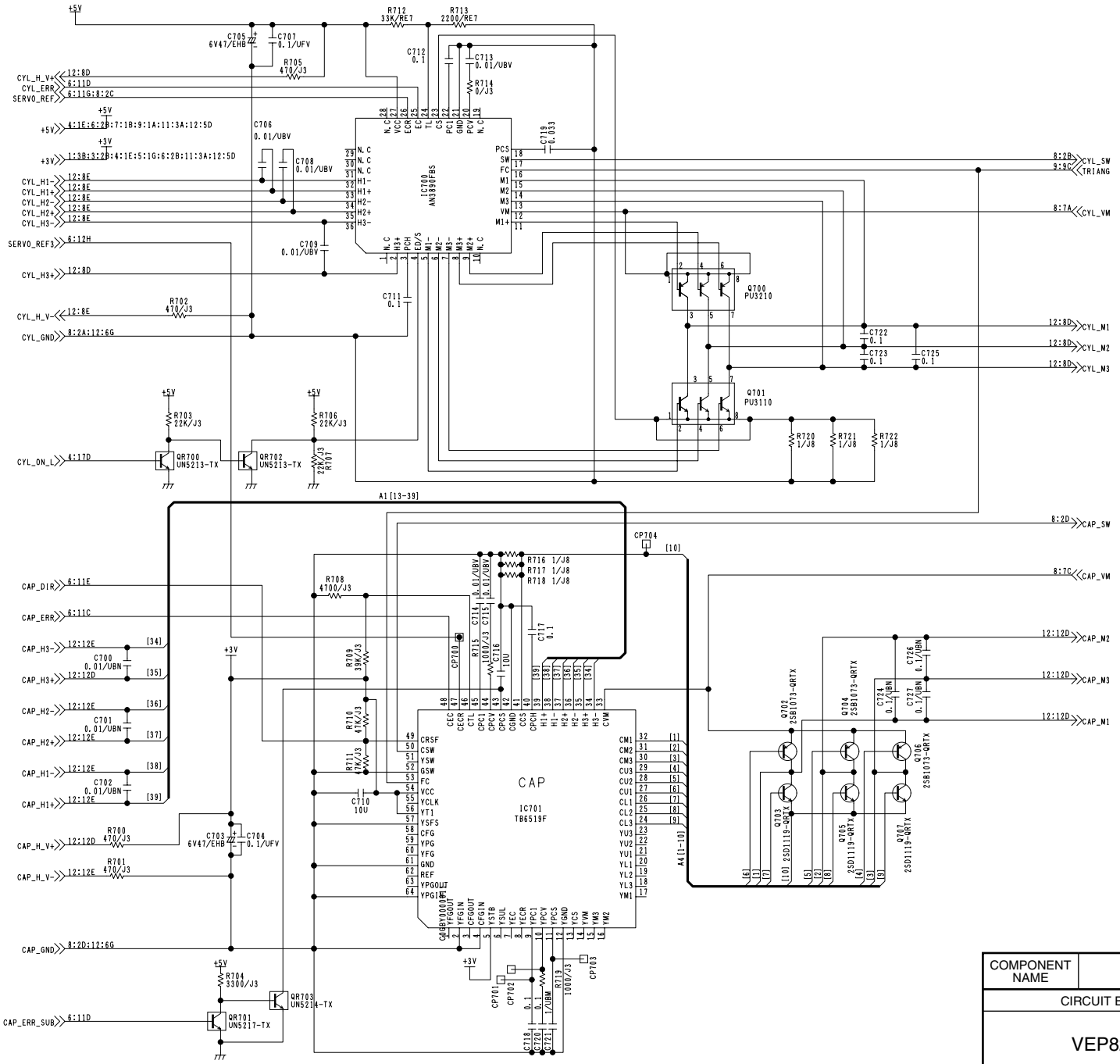


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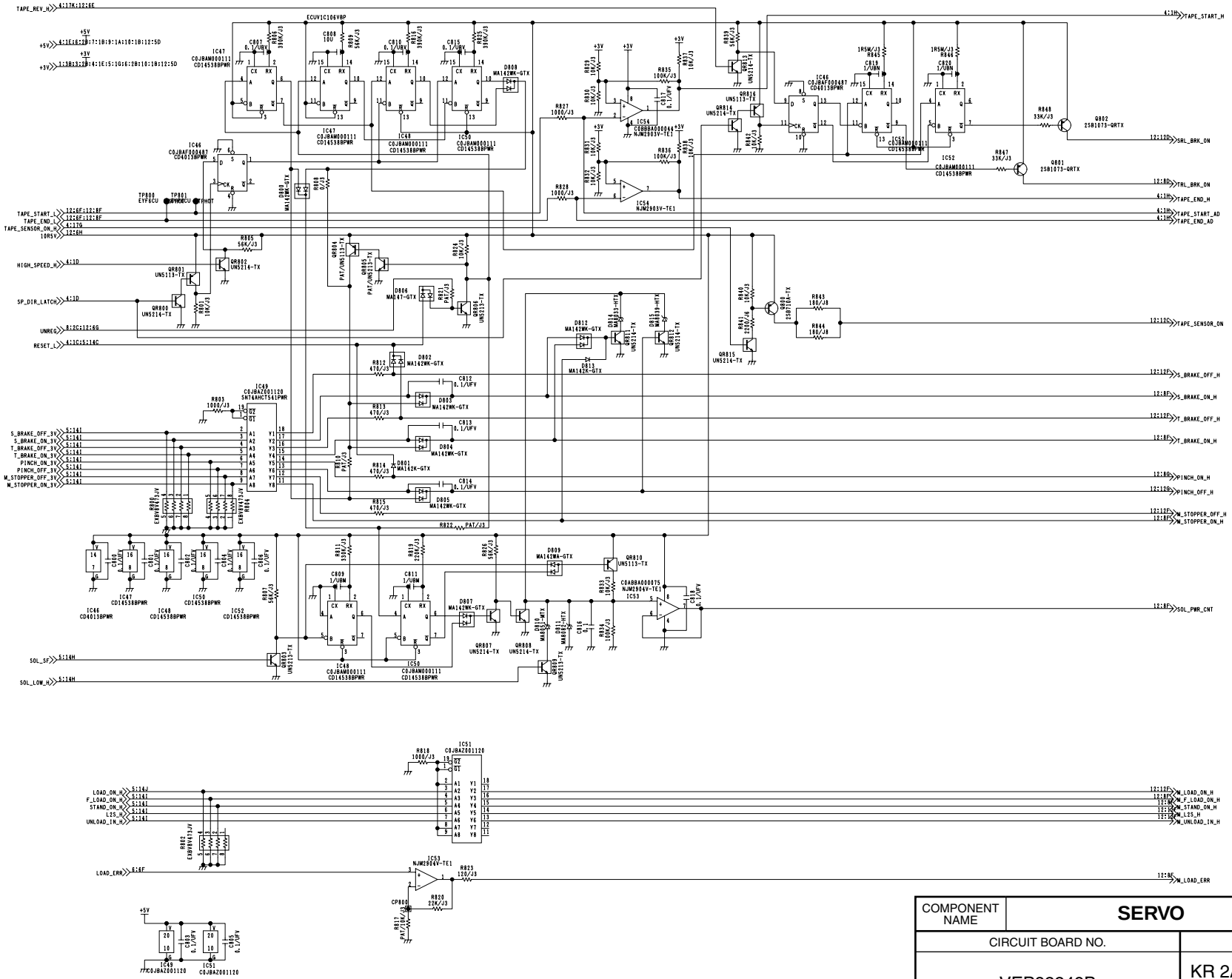
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
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必ず指定の部品をご使用ください。

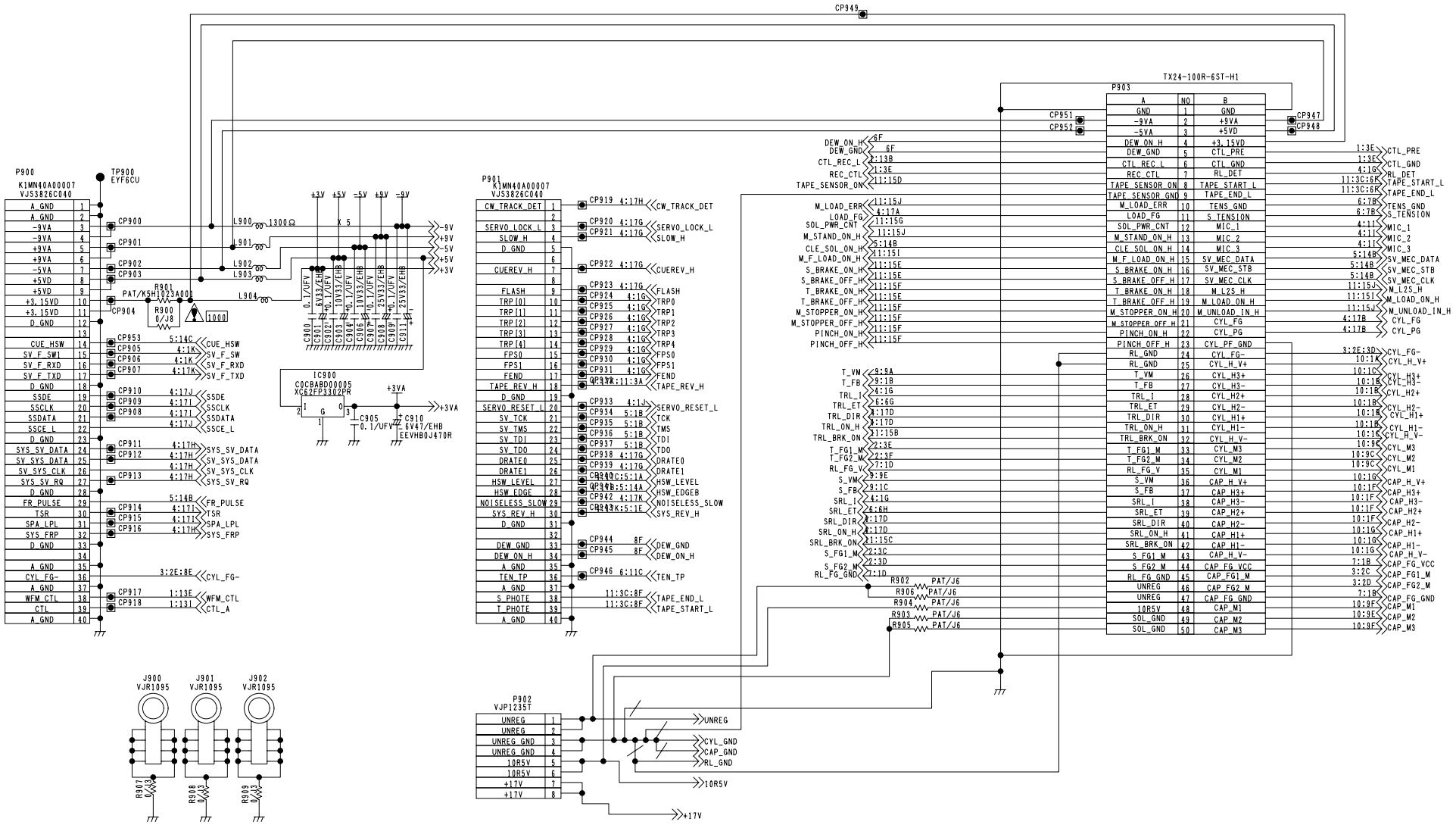
COMPONENT NAME	SERVO(SW1)	9/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(9/13)
		SCM088



COMPONENT NAME	**SERVO(CA_CY_DRV)**	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(10/13)
		SCM089



COMPONENT NAME	**SERVO**	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(11/13)
		SCM090



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⚠ 警 告

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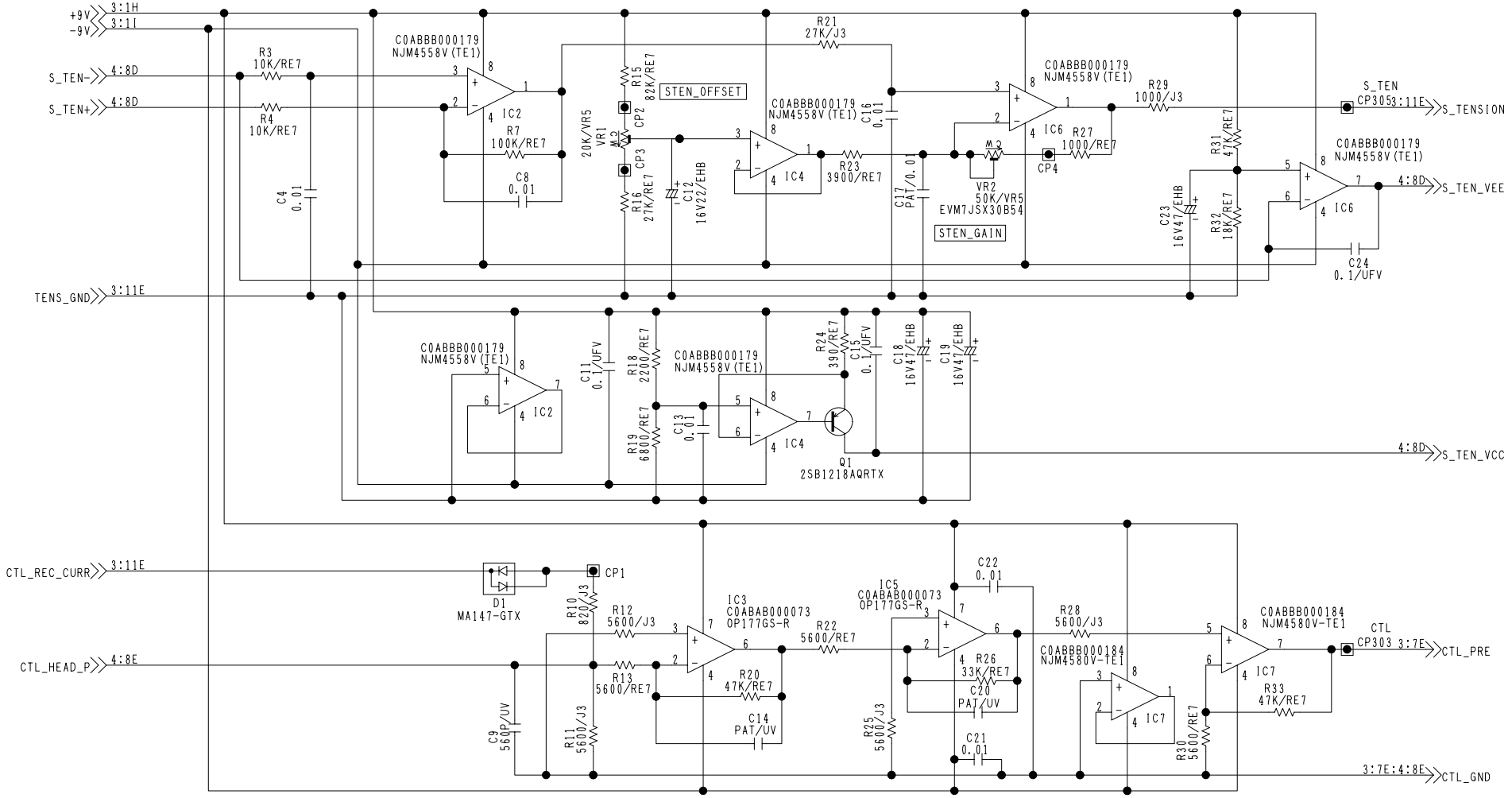
COMPONENT NAME	SERVO	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(12/13)
		SCM091

SOFT:IP201 MN1030F04KHF			PLD:IP300 X9288L7T144, X9144L7T100		
VSI4190			VSI4198		

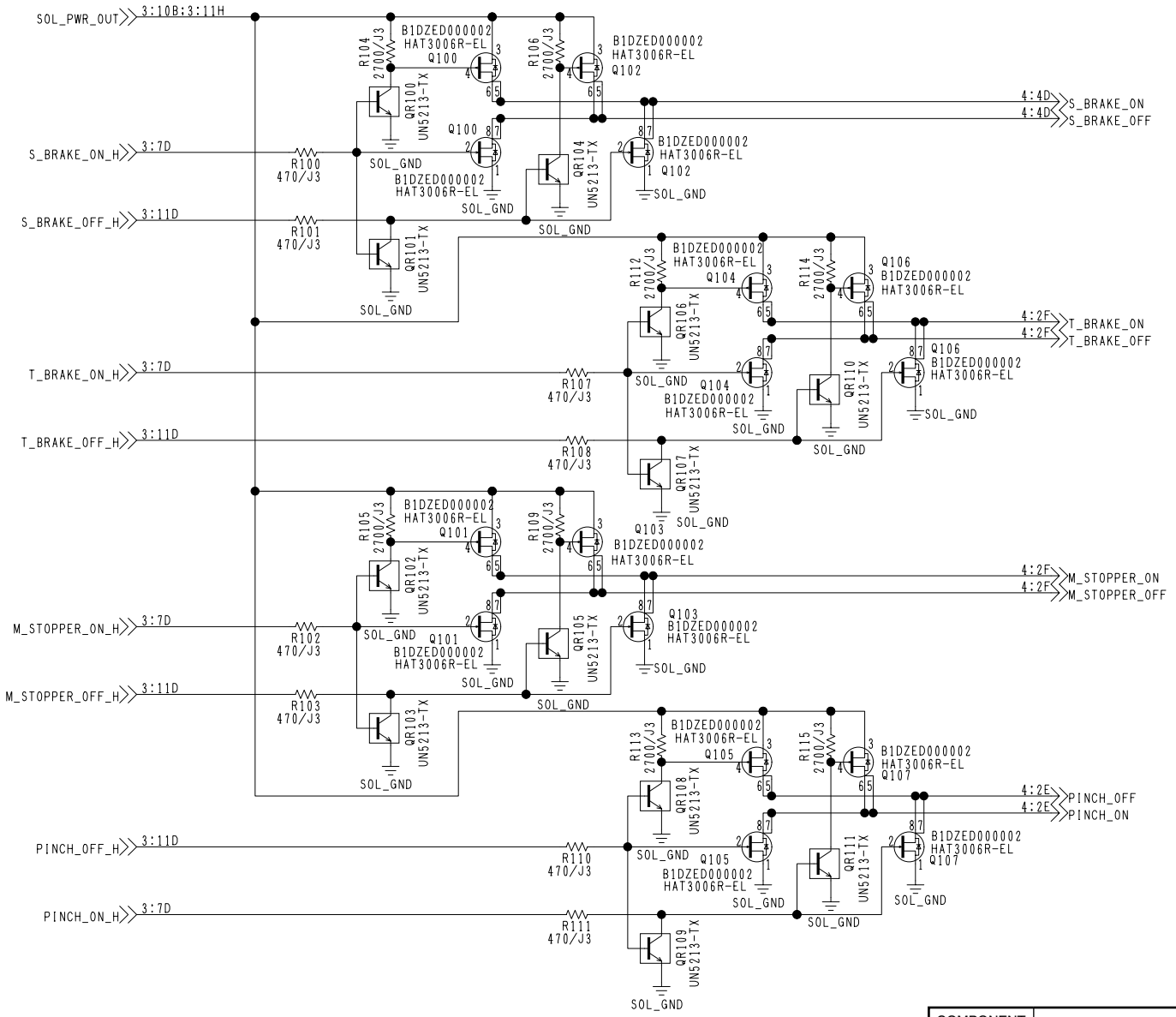
COMPONENT NAME	SERVO(SOFT)	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82249B		KR 2A0004-1(13/13)
		SCM092

A B C D E F G H I J

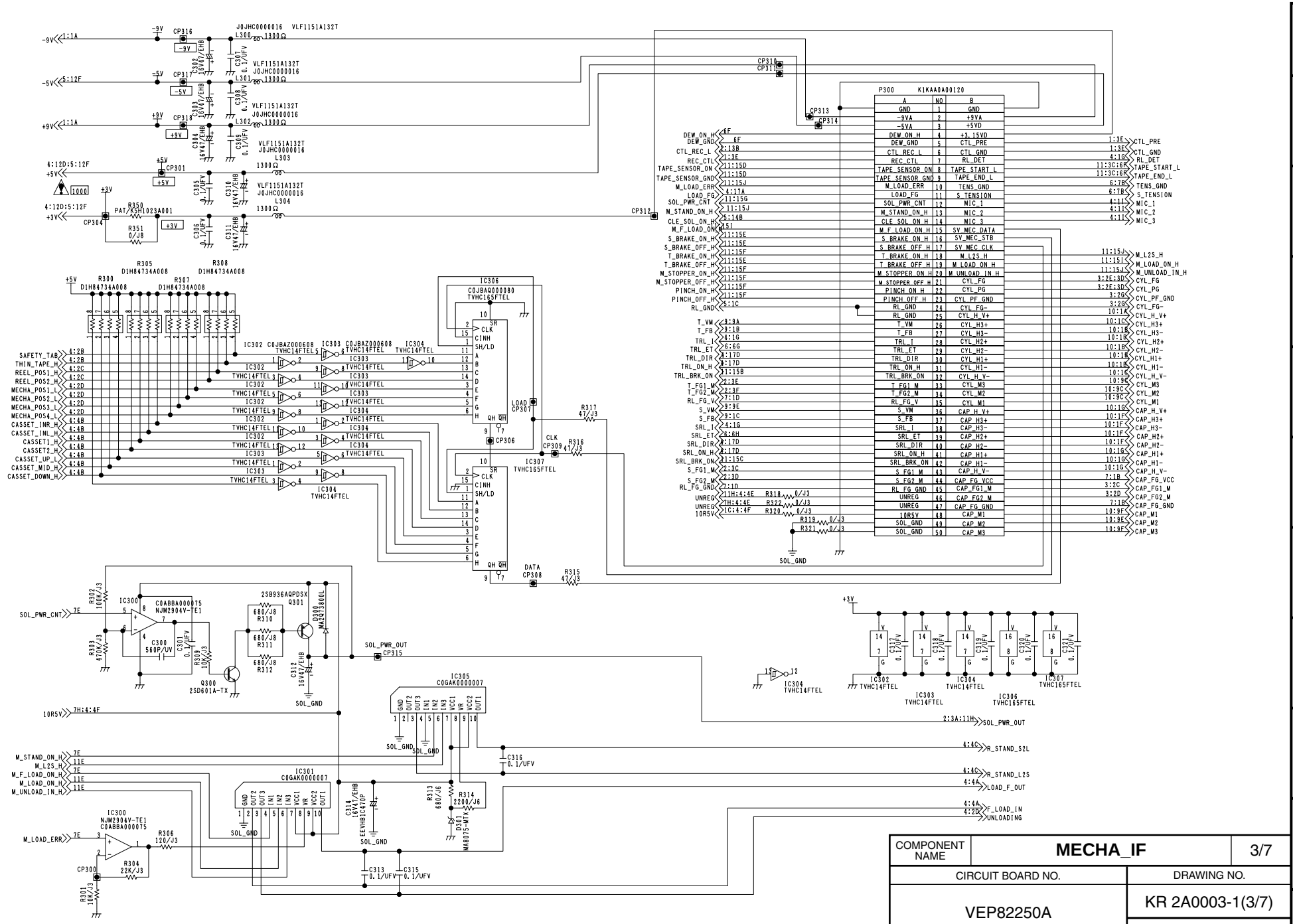
1 2 3 4 5 6 7 8 9 10 11 12 13 14

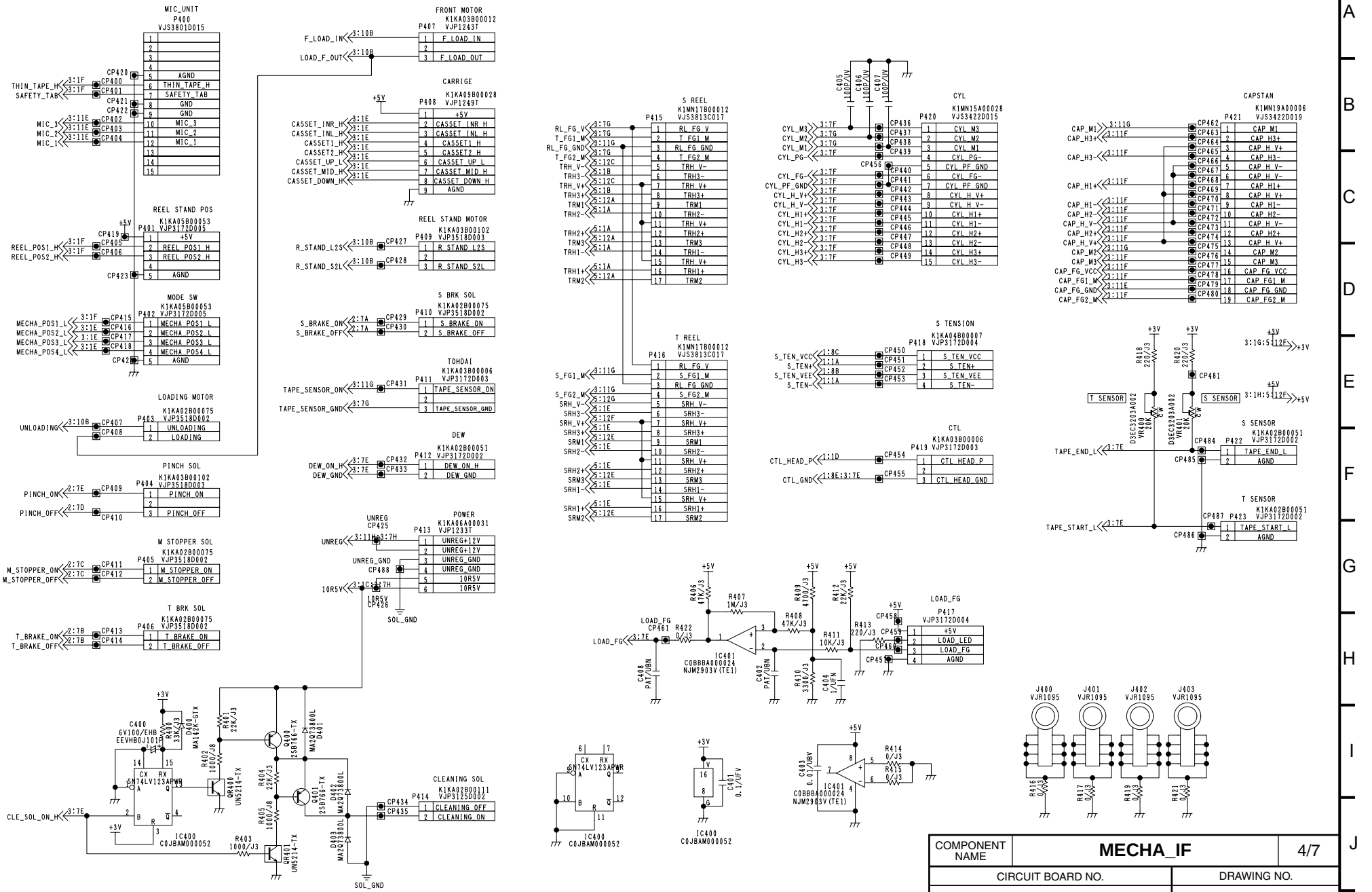


COMPONENT NAME	MECHA_IF	1/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(1/7)
		SCM093

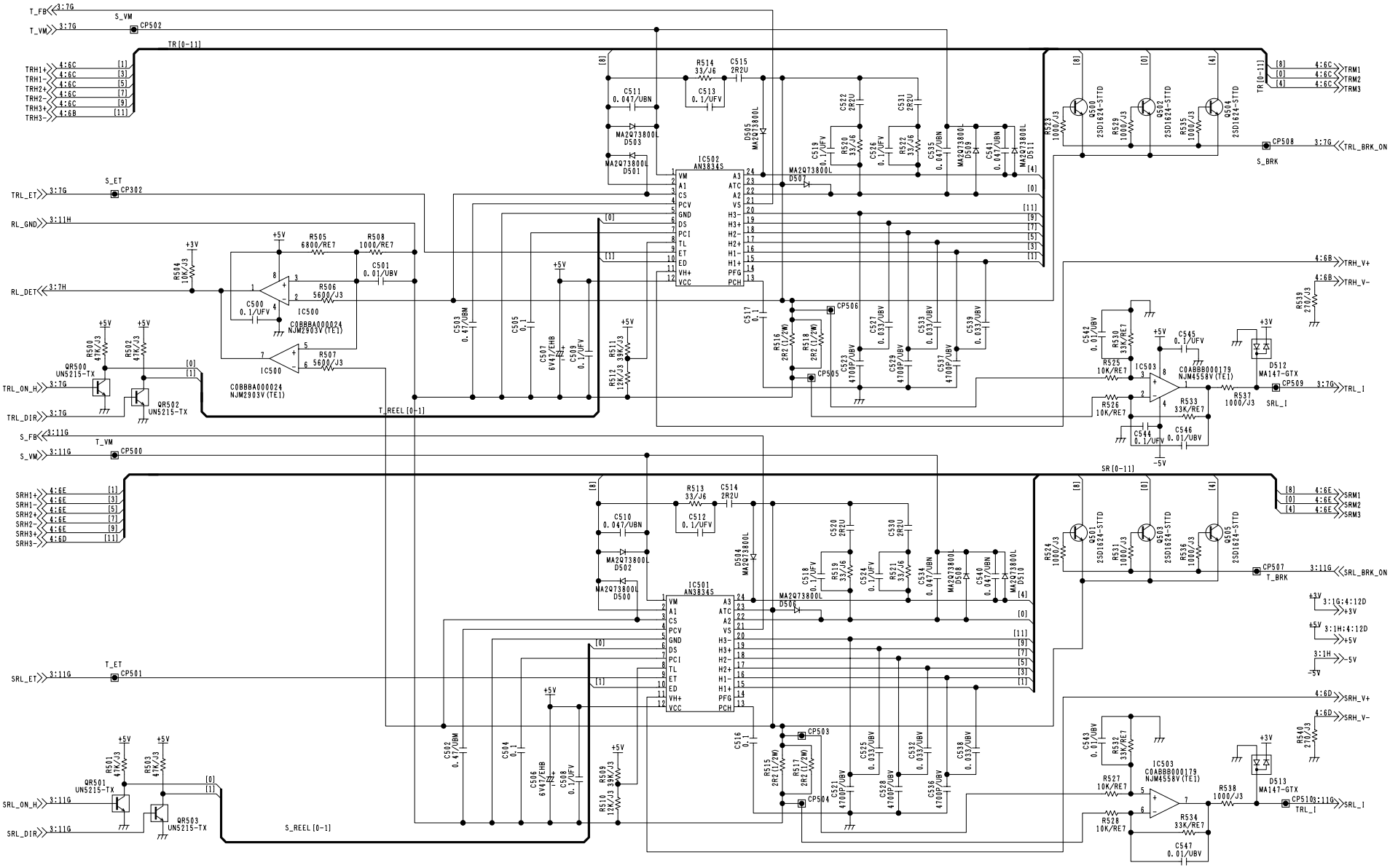


COMPONENT NAME	**MECHA_IF**	2/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(2/7)
		SCM094

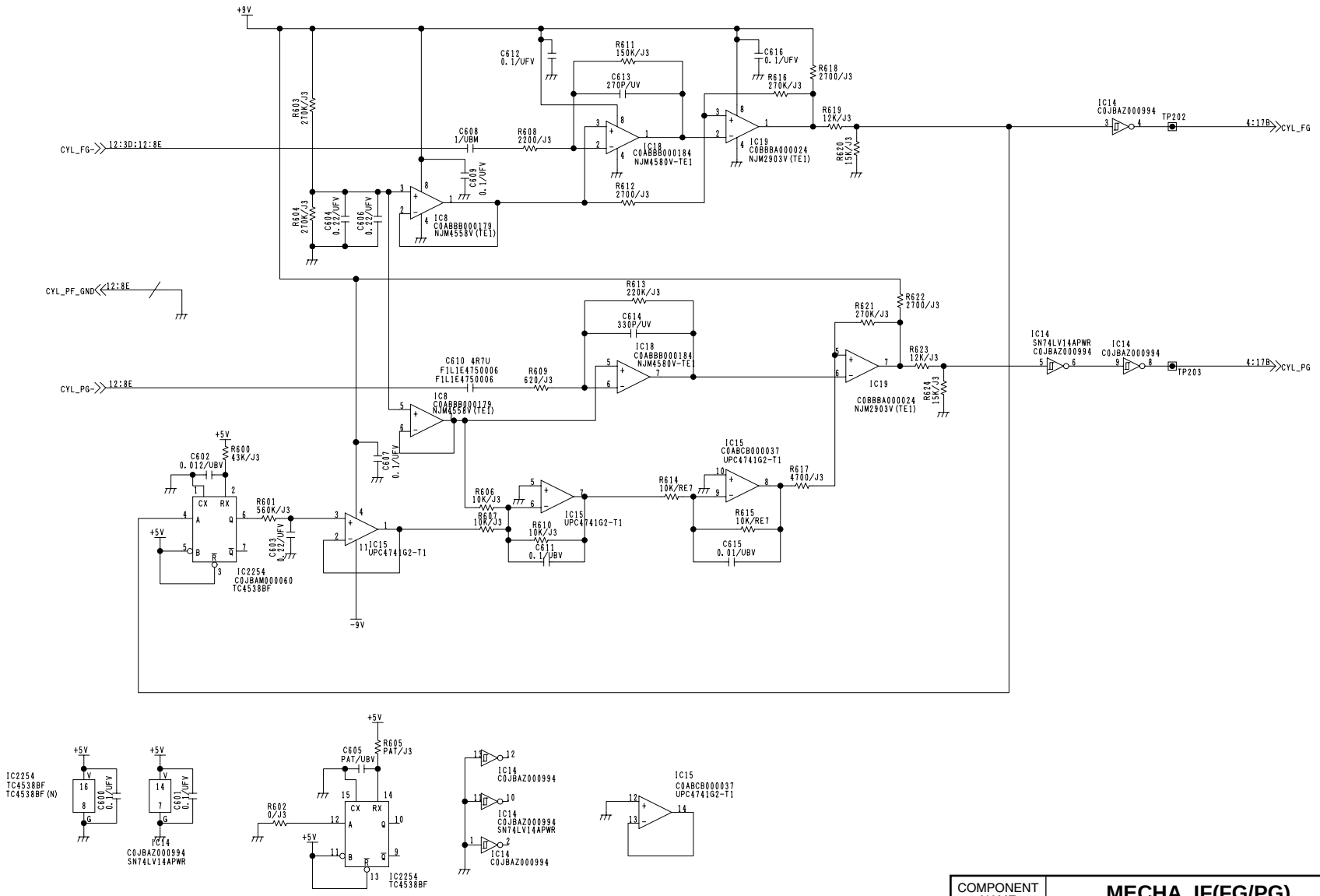

P300 K1KAA0A00120
IC300 C0ABBA000075 NJM2904V-TE1
IC301 C0GAK0000007
IC302 C0JBAZ000608 TVHC14FTEL
IC303 C0JBAZ000608 TVHC14FTEL
IC304 TVHC14FTEL
IC305 C0GAK0000007
IC306 C0JBAQ000080 TVHC165FTEL
IC307 TVHC165FTEL
Q300 2SD601A-TX
Q301 2SB936AQPDSX
D300 MA2S380UL
D301 MA8075-MTX
SOL_PWR_CNT
SOL_PWR_OUT
SOL_GND
M_STAND_ON_H
M_L2S_H
M_F_LOAD_ON_H
M_LOAD_ON_H
M_UNLOAD_IN_H
M_LOAD_ERR
R_STAND_S2L
R_STAND_L2S
LOAD_F_OUT
F_LOAD_IN
UNLOADING
COMPONENT NAME
MECHA_IF
3/7
CIRCUIT BOARD NO.
VEP82250A
DRAWING NO.
KR 2A0003-1(3/7)
SCM095



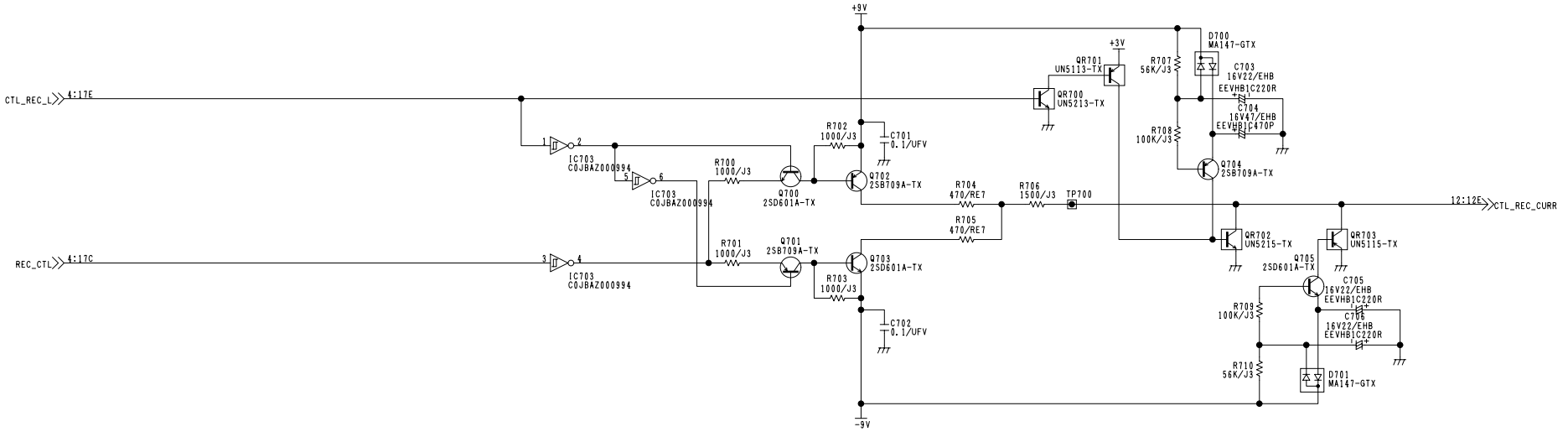
COMPONENT NAME	**MECHA_IF** 4/7
CIRCUIT BOARD NO.	DRAWING NO.
VEP82250A	KR 2A0003-1(4/7)
	SCM096



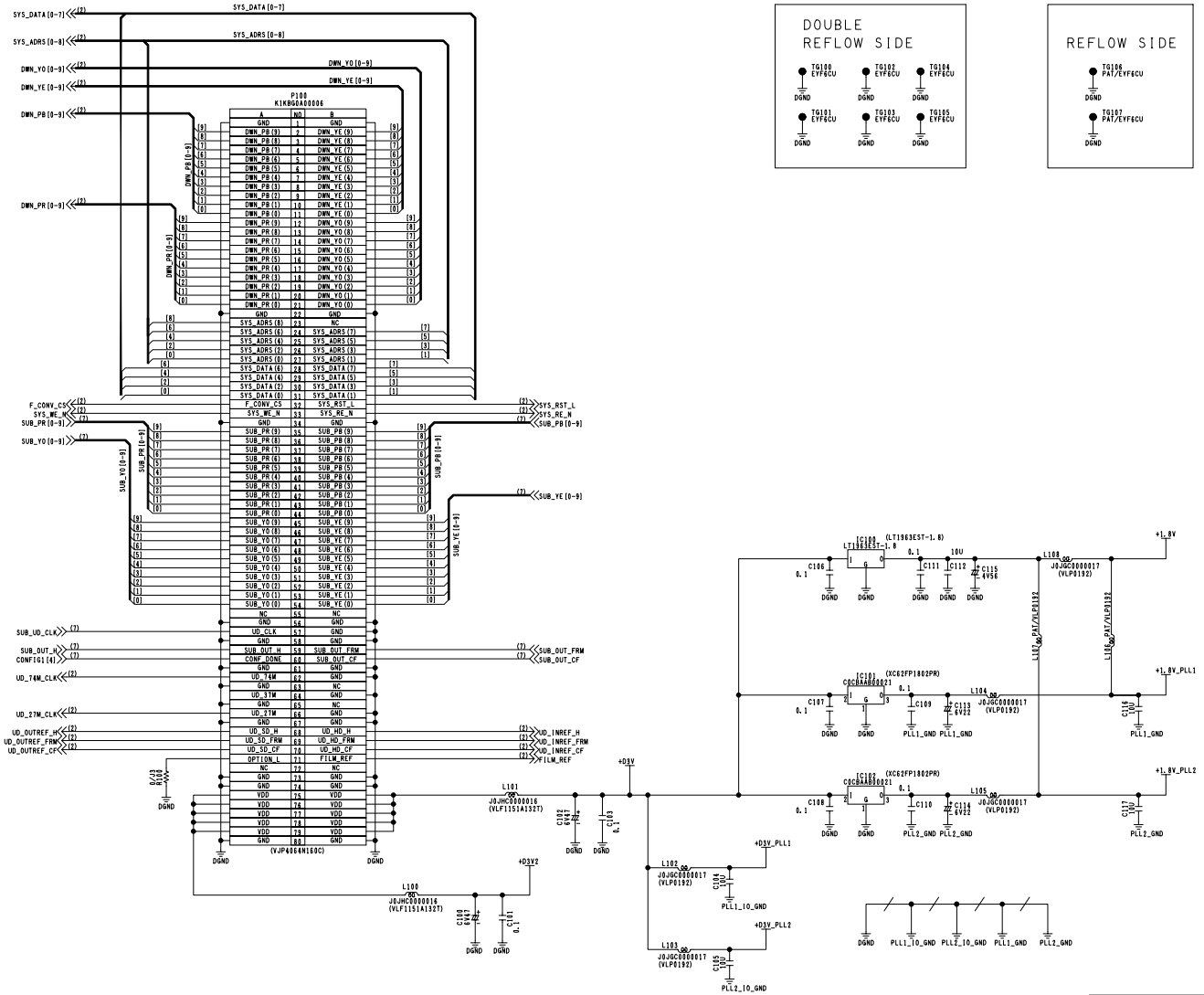
COMPONENT NAME	MECHA_IF(RL_DRV)	5/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(5/7)
		SCM097



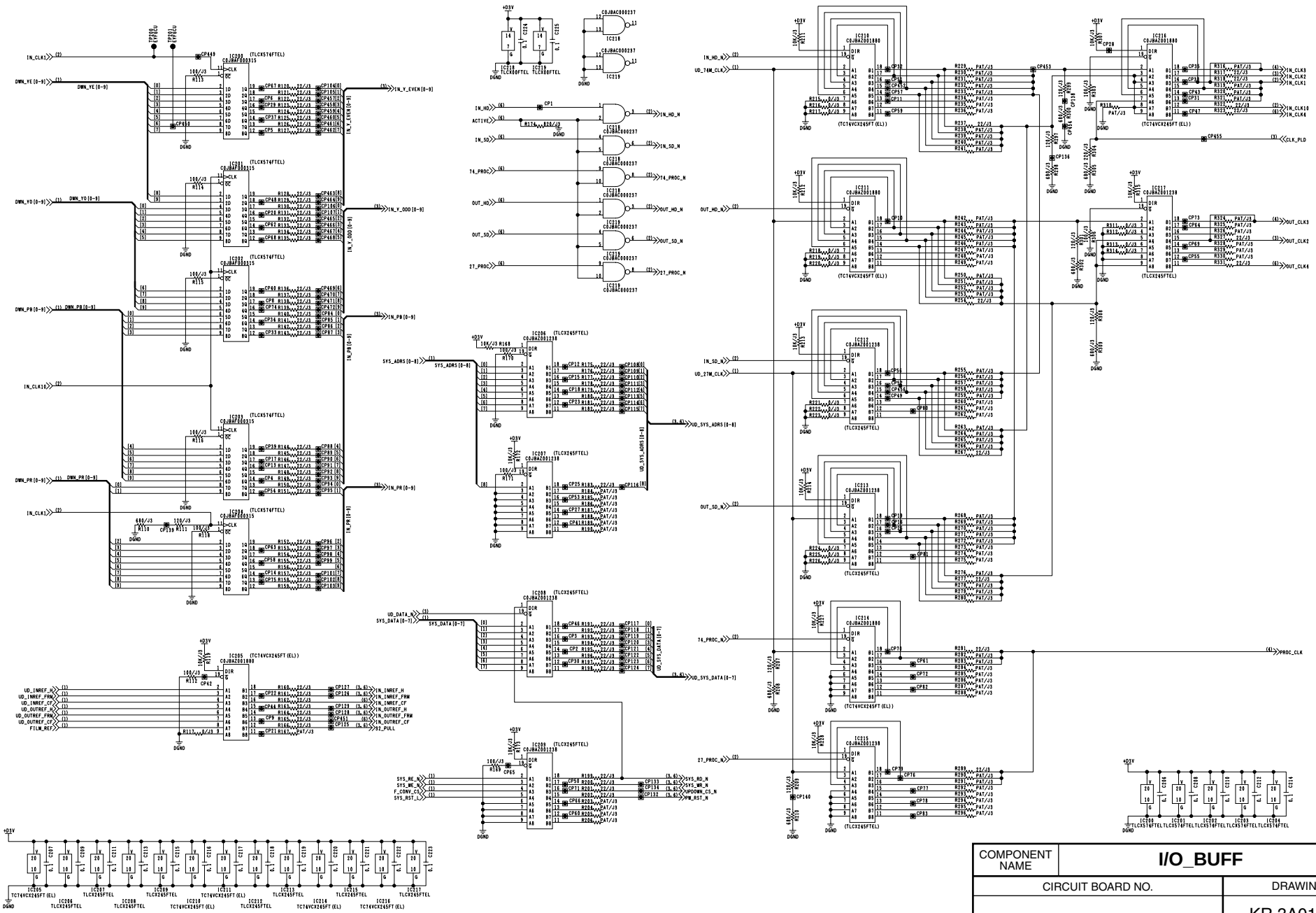
COMPONENT NAME	MECHA_IF(FG/PG)	6/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(6/7)
		SCM098



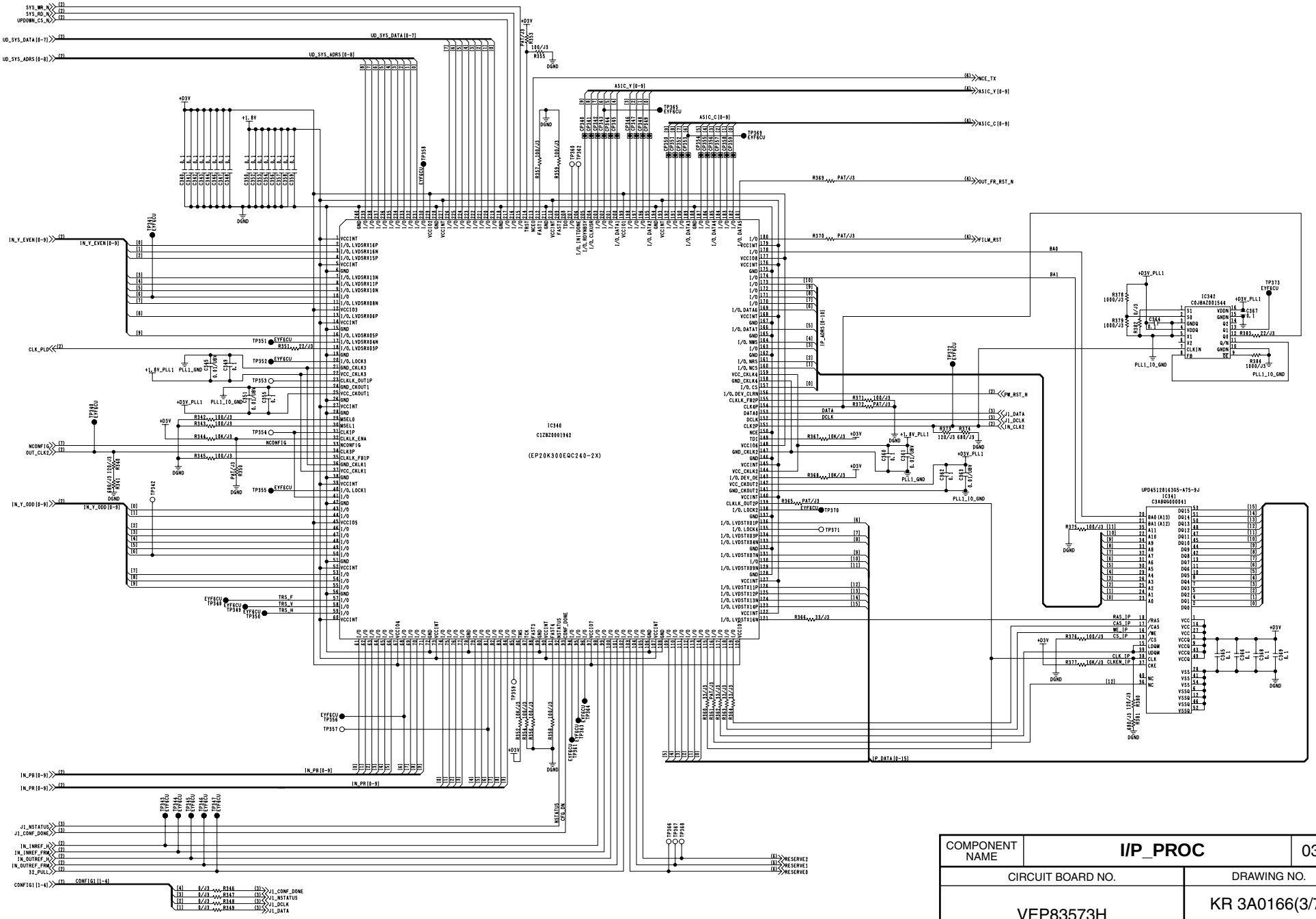
COMPONENT NAME	**MECHA_IF(REC_CTL)**	7/7
CIRCUIT BOARD NO.		DRAWING NO.
VEP82250A		KR 2A0003-1(7/7)
		SCM099



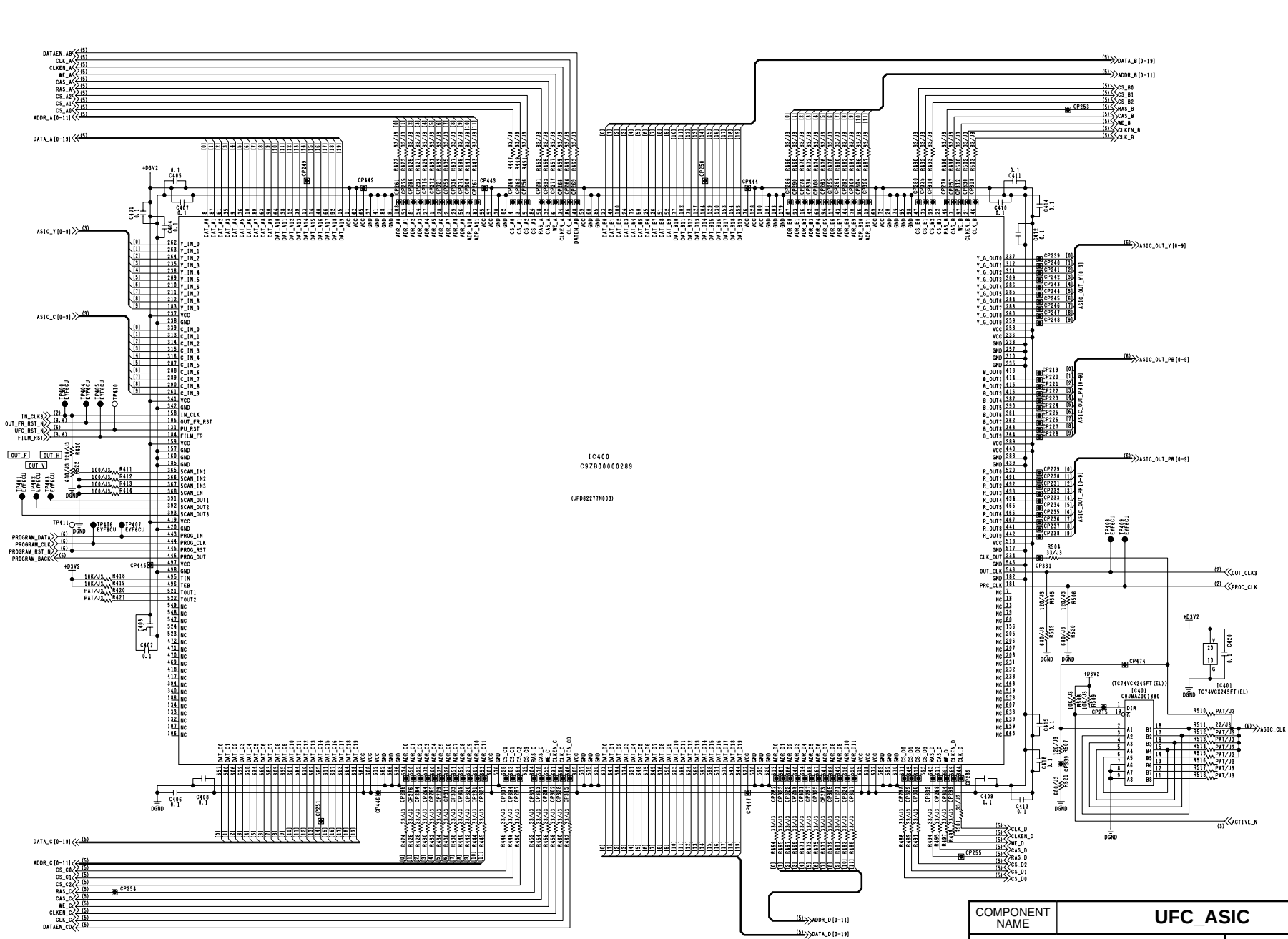
COMPONENT NAME	**CONNECTOR**	01/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(1/7)
		SCM118



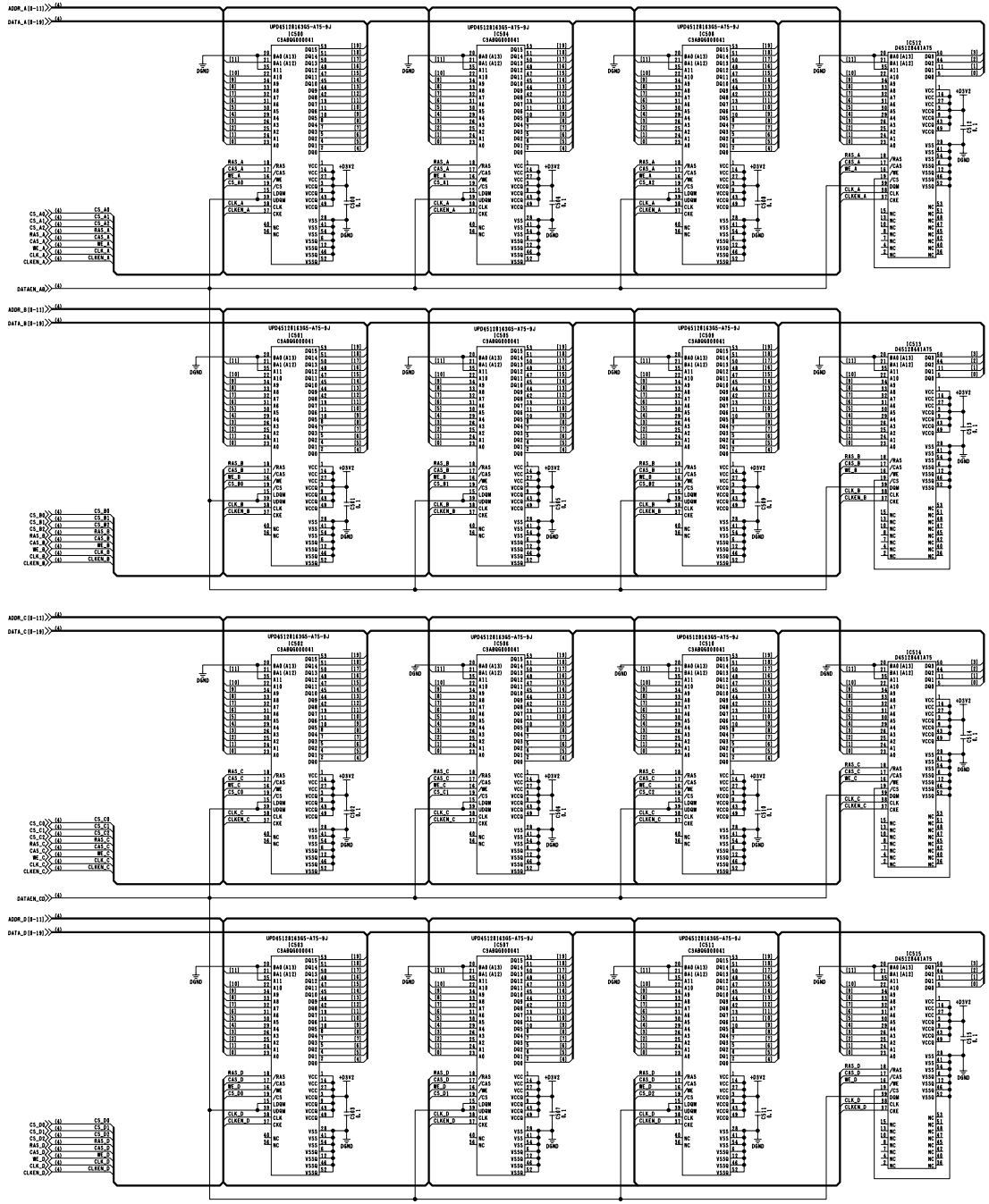
COMPONENT NAME	**I/O_BUFF**	02/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(2/7)
		SCM119



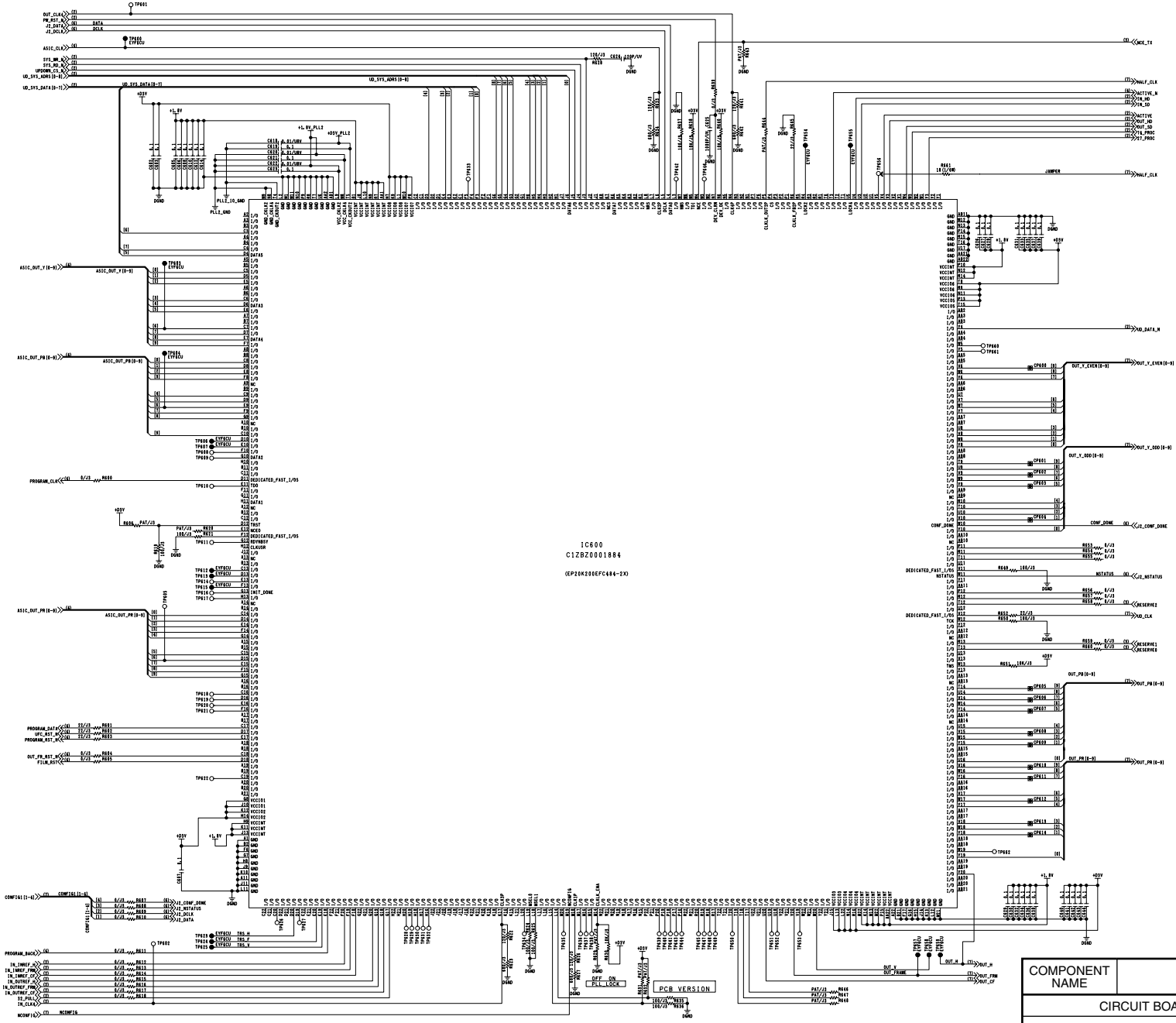
COMPONENT NAME	**I/P_PROC**	03/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(3/7)
		SCM120



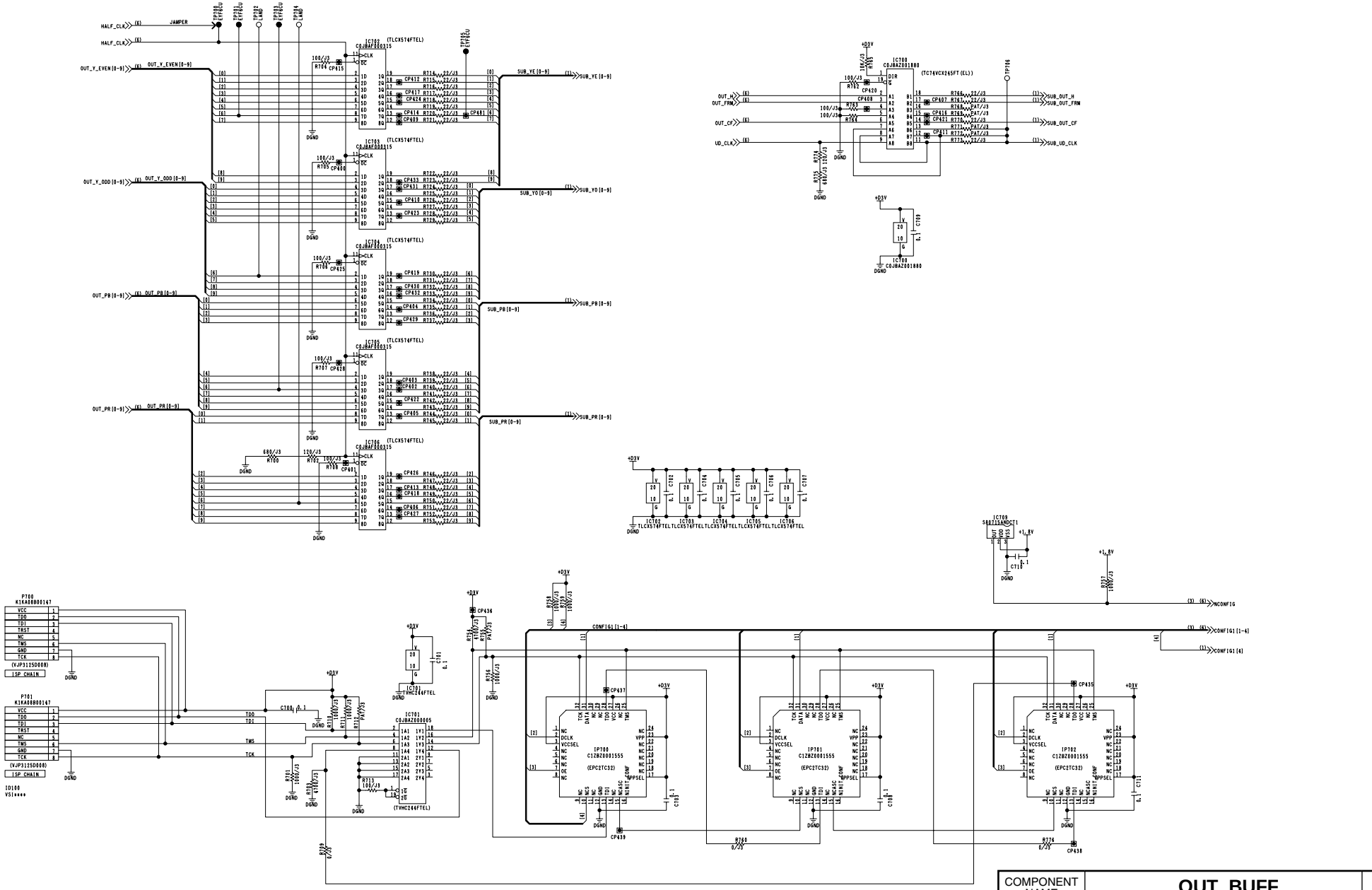
COMPONENT NAME	UFC_ASIC	04/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(4/7)
		SCM121



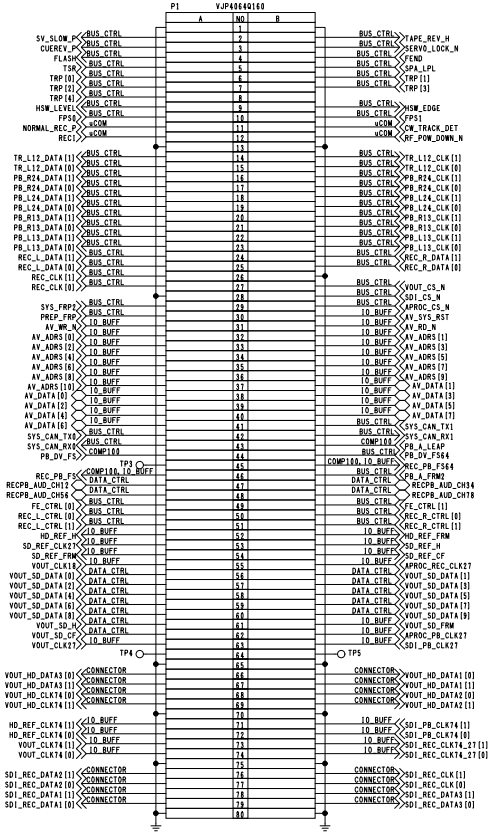
COMPONENT NAME	**SDRAM**	05/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(5/7)
		SCM122

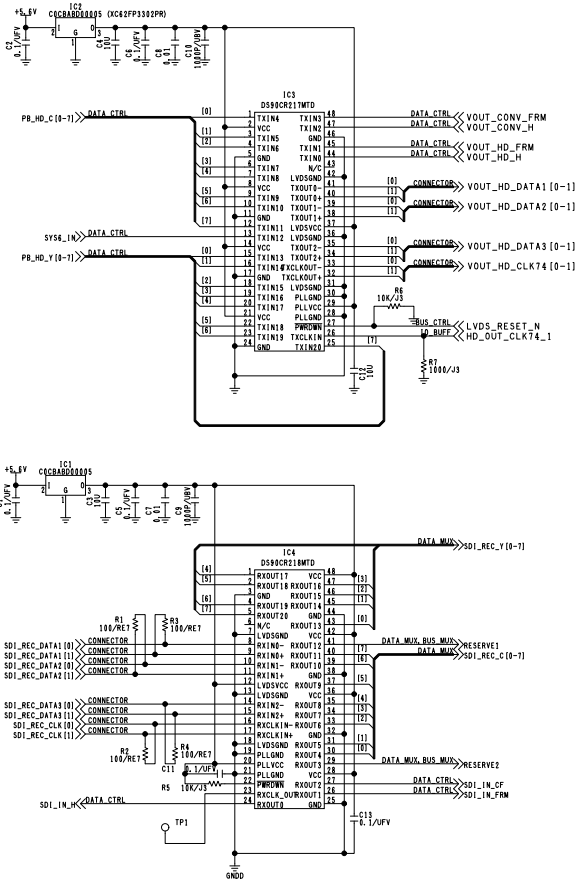


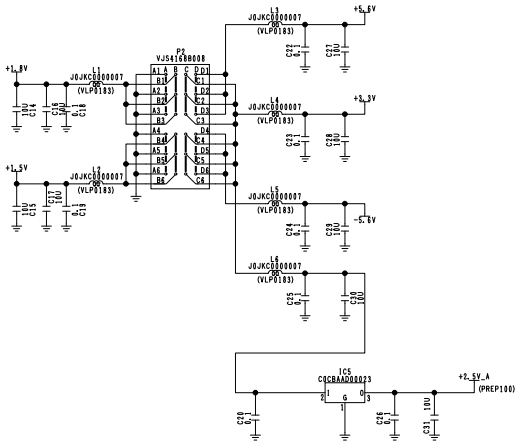
COMPONENT NAME	**OUT_PROC**	06/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(6/7)
		SCM123

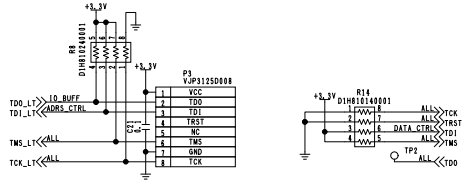


COMPONENT NAME	OUT_BUFF	07/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP83573H		KR 3A0166(7/7)
		SCM124



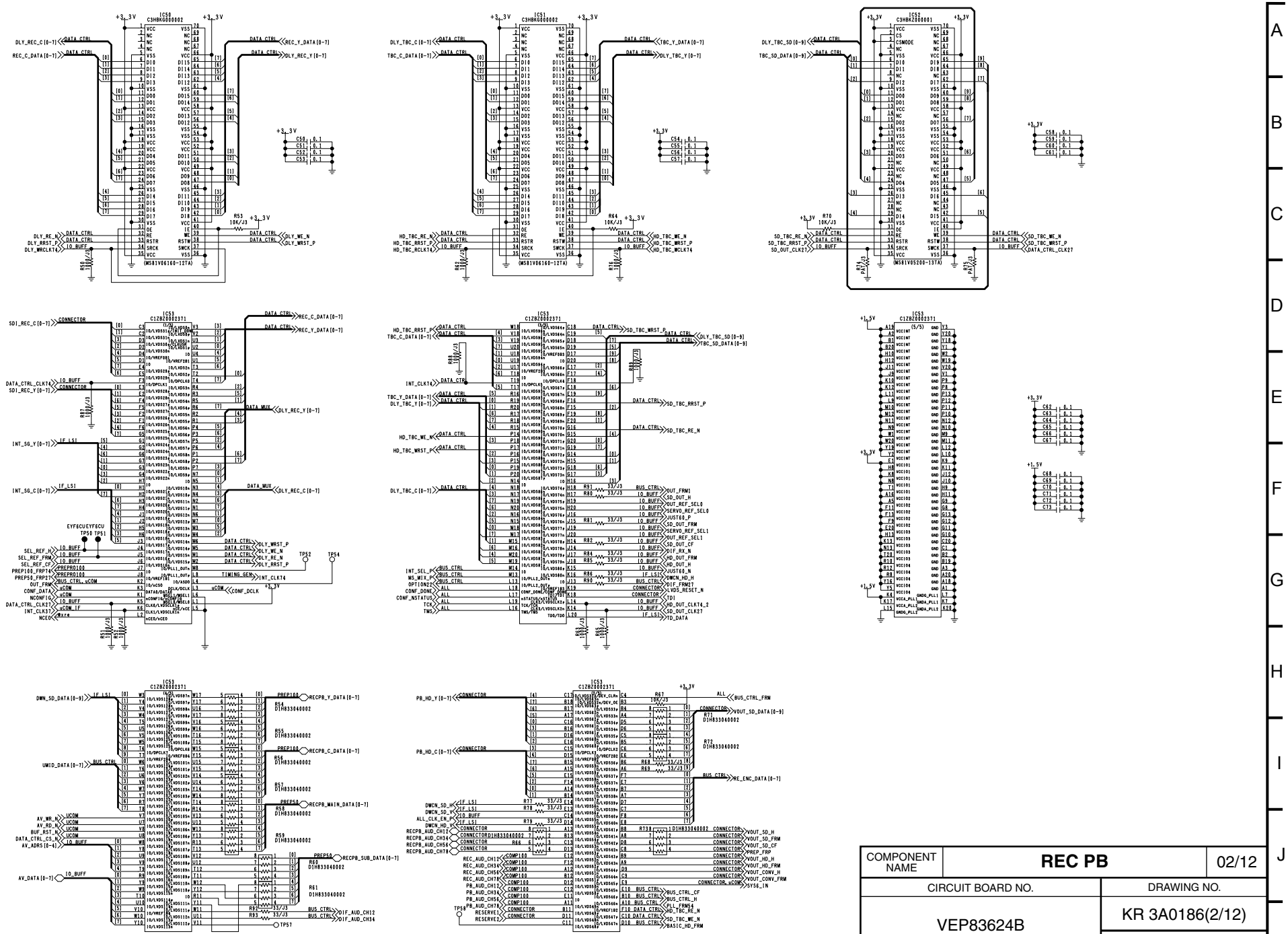




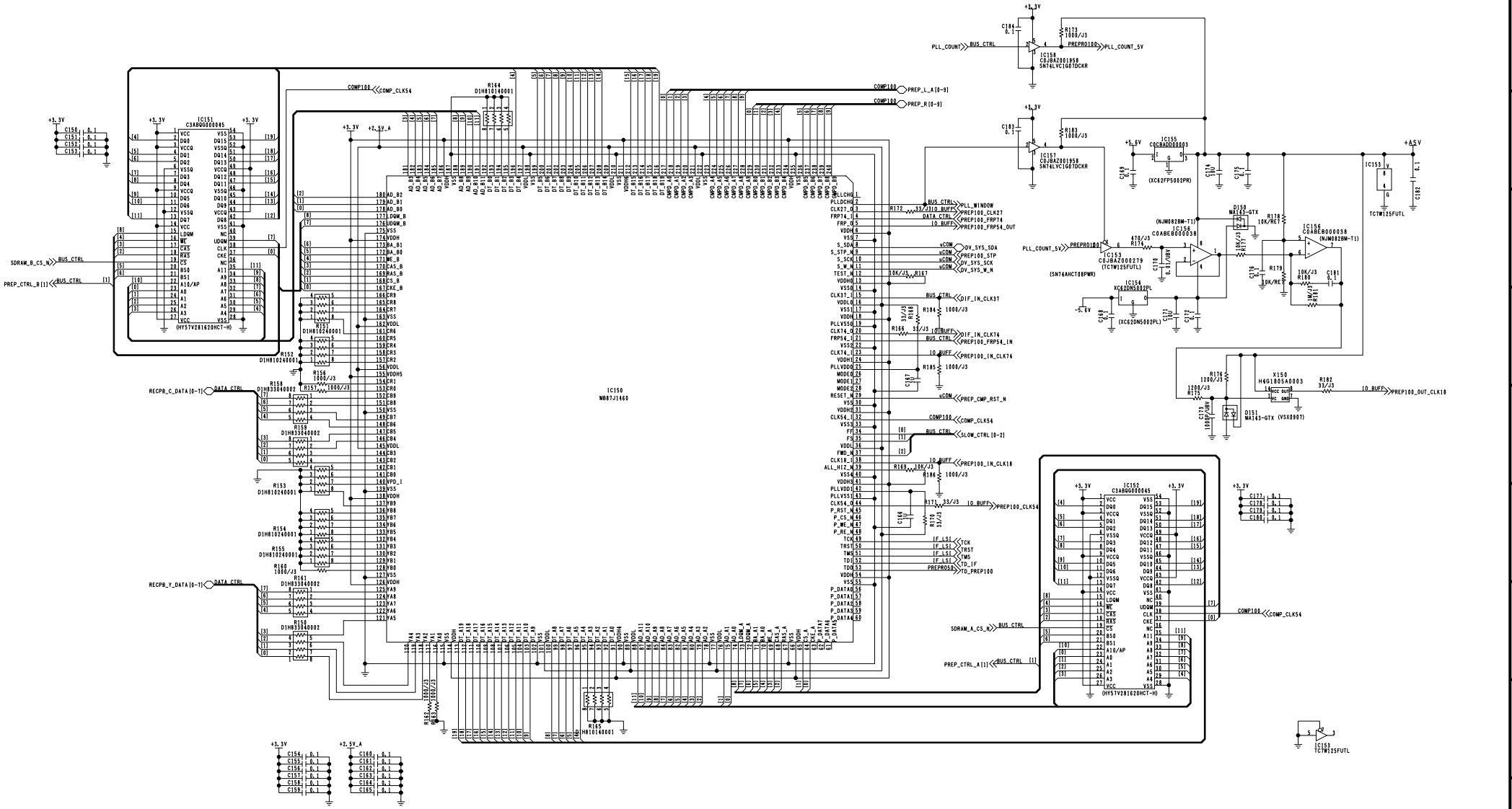




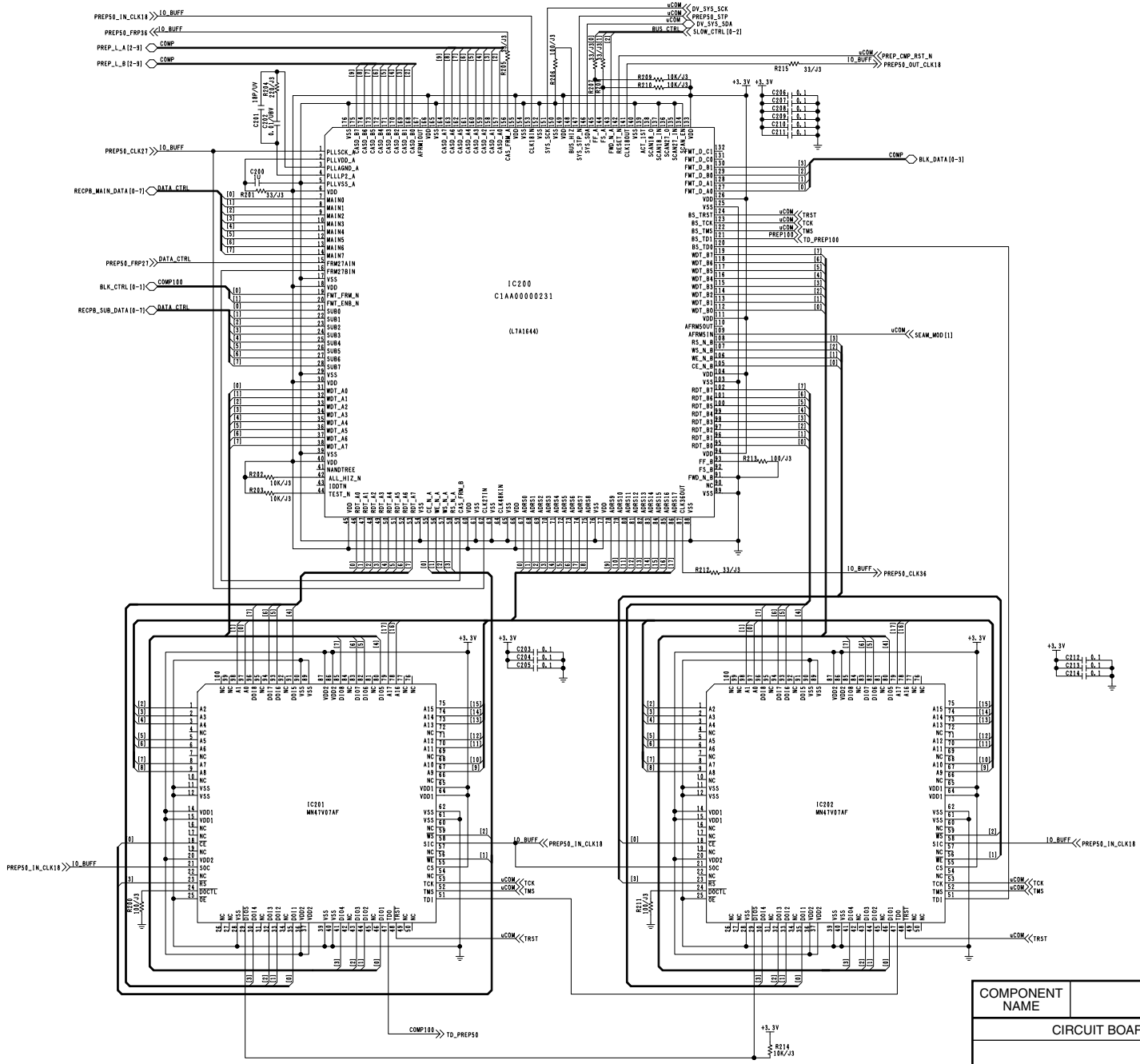
COMPONENT NAME	REC PB	01/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(1/12)
		SCM027



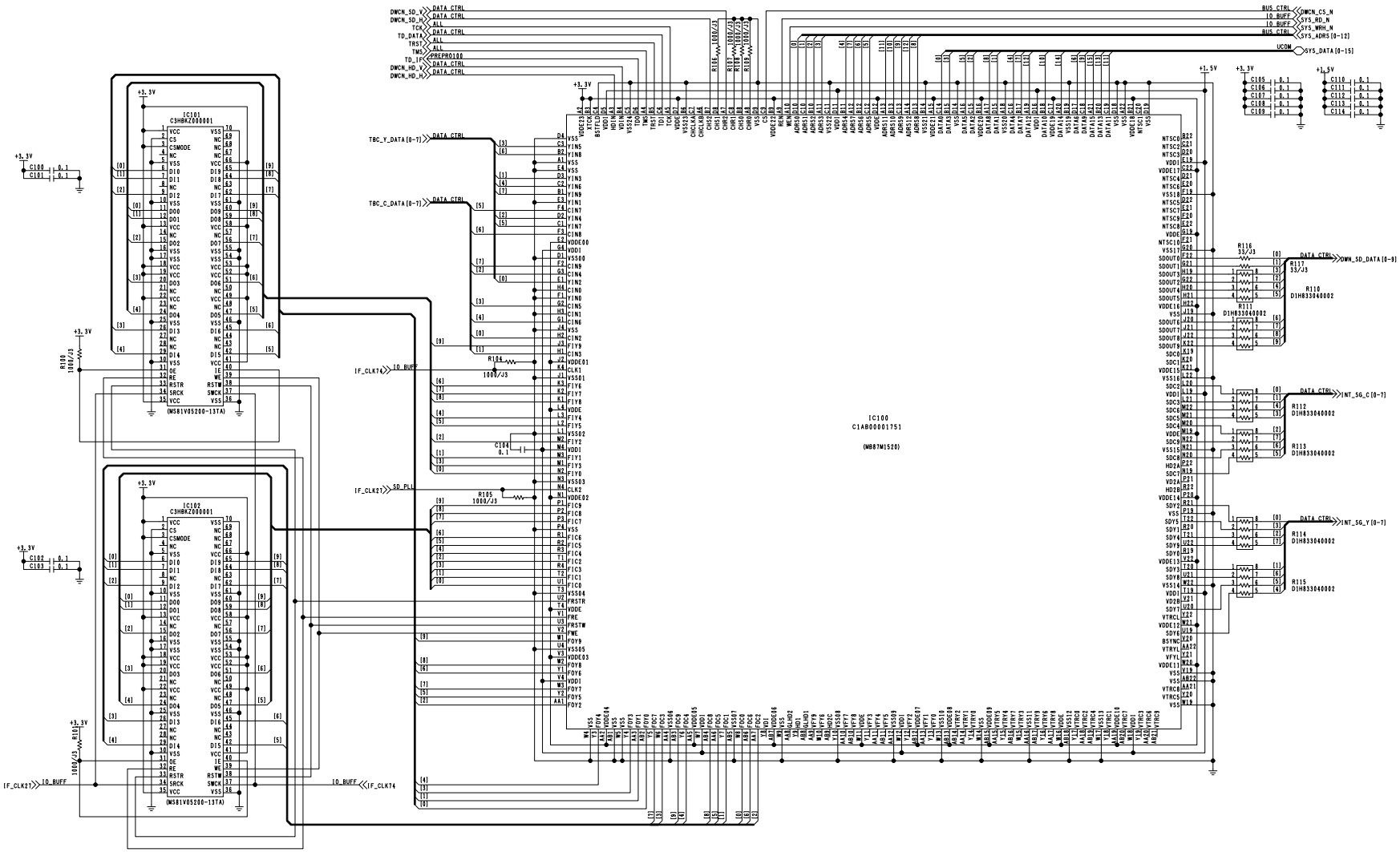
COMPONENT NAME	**REC PB**	02/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(2/12)
		SCM028



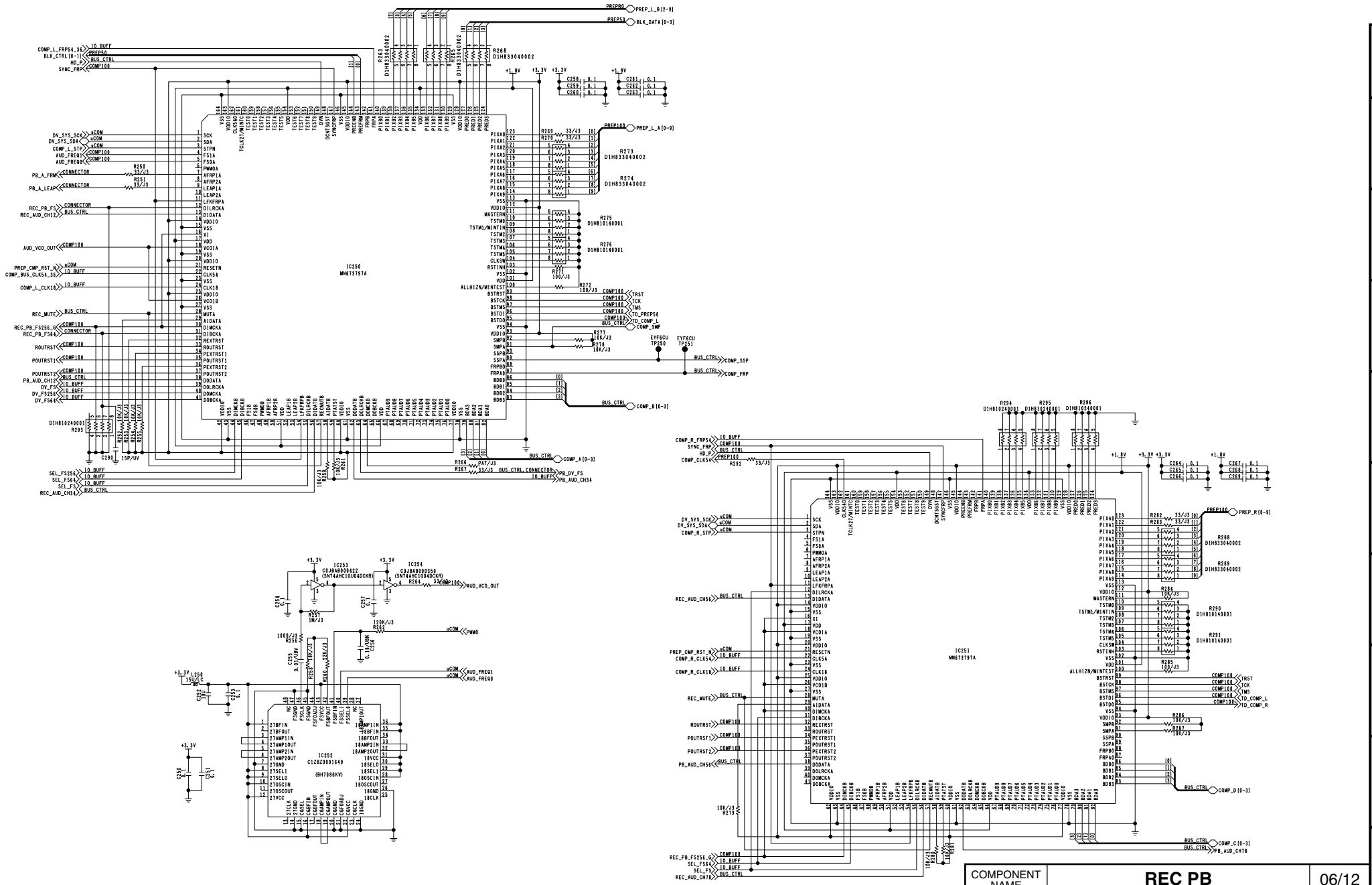
COMPONENT NAME	REC PB	03/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(3/12)
		SCM029



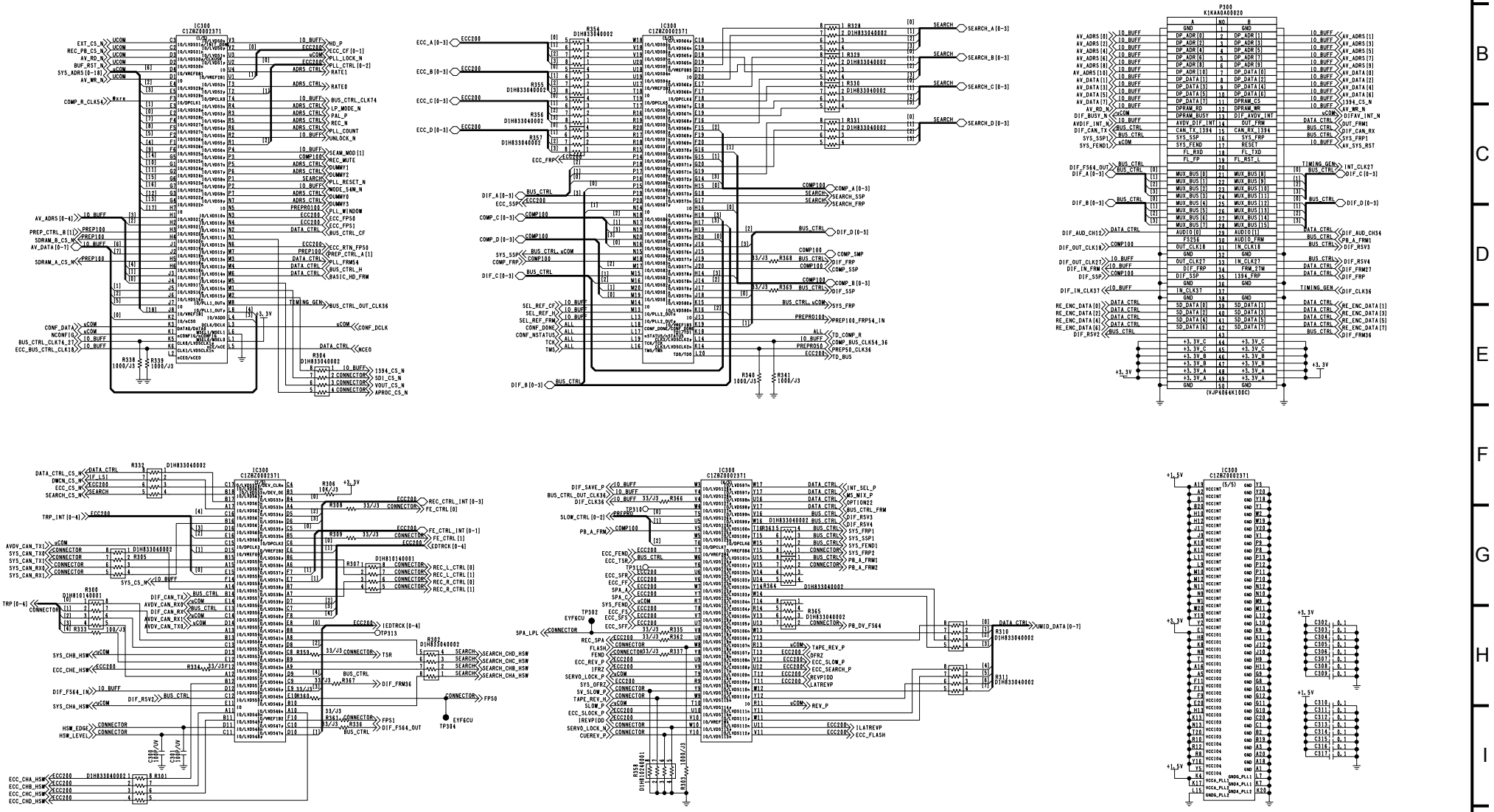
COMPONENT NAME	REC PB	04/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(4/12)
		SCM030



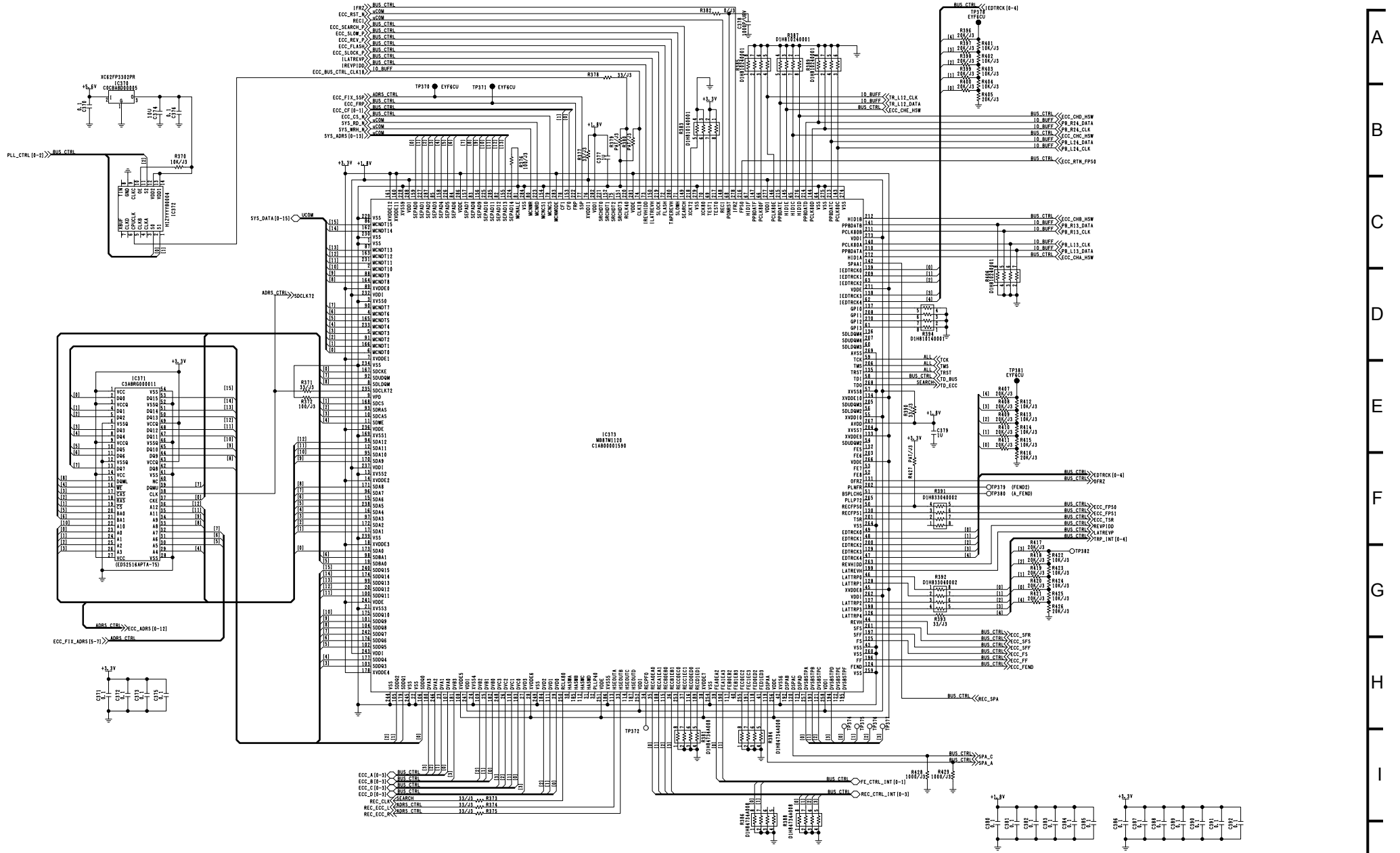
COMPONENT NAME	REC PB	05/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(5/12)
		SCM031



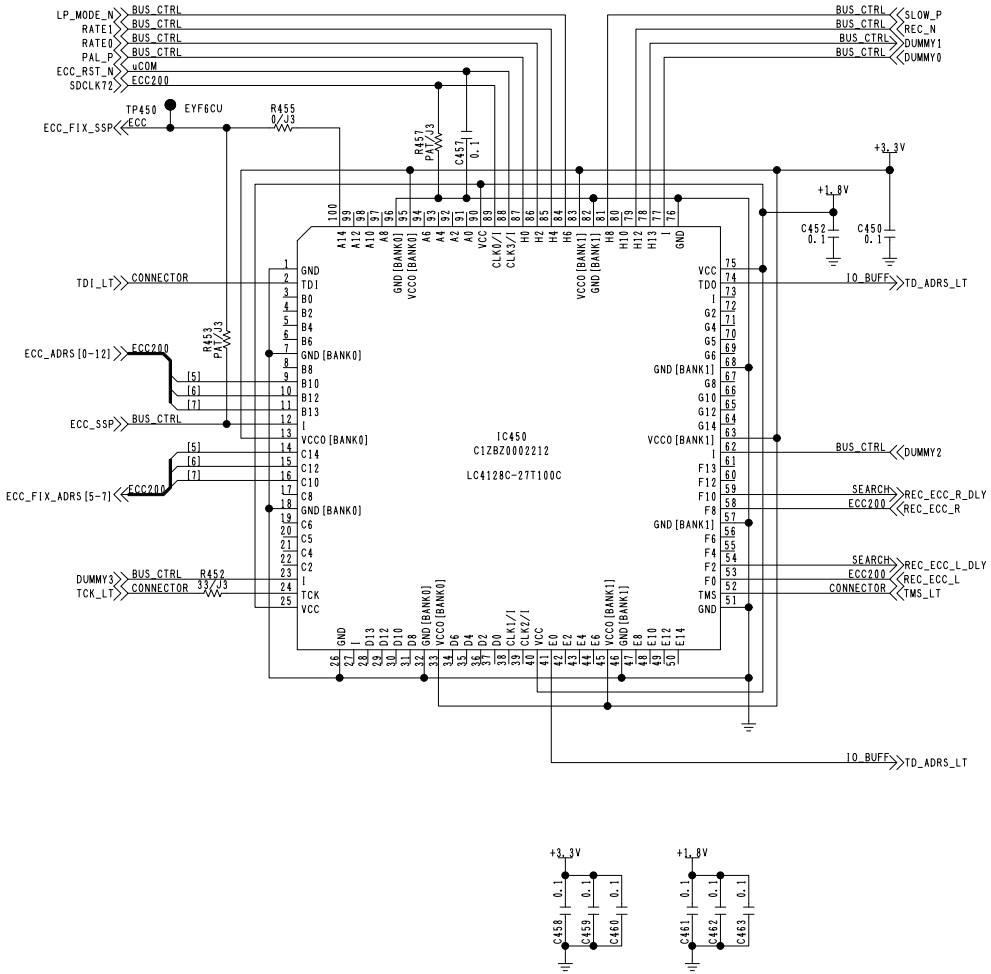
COMPONENT NAME	**REC PB**	06/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(6/12)
		SCM032



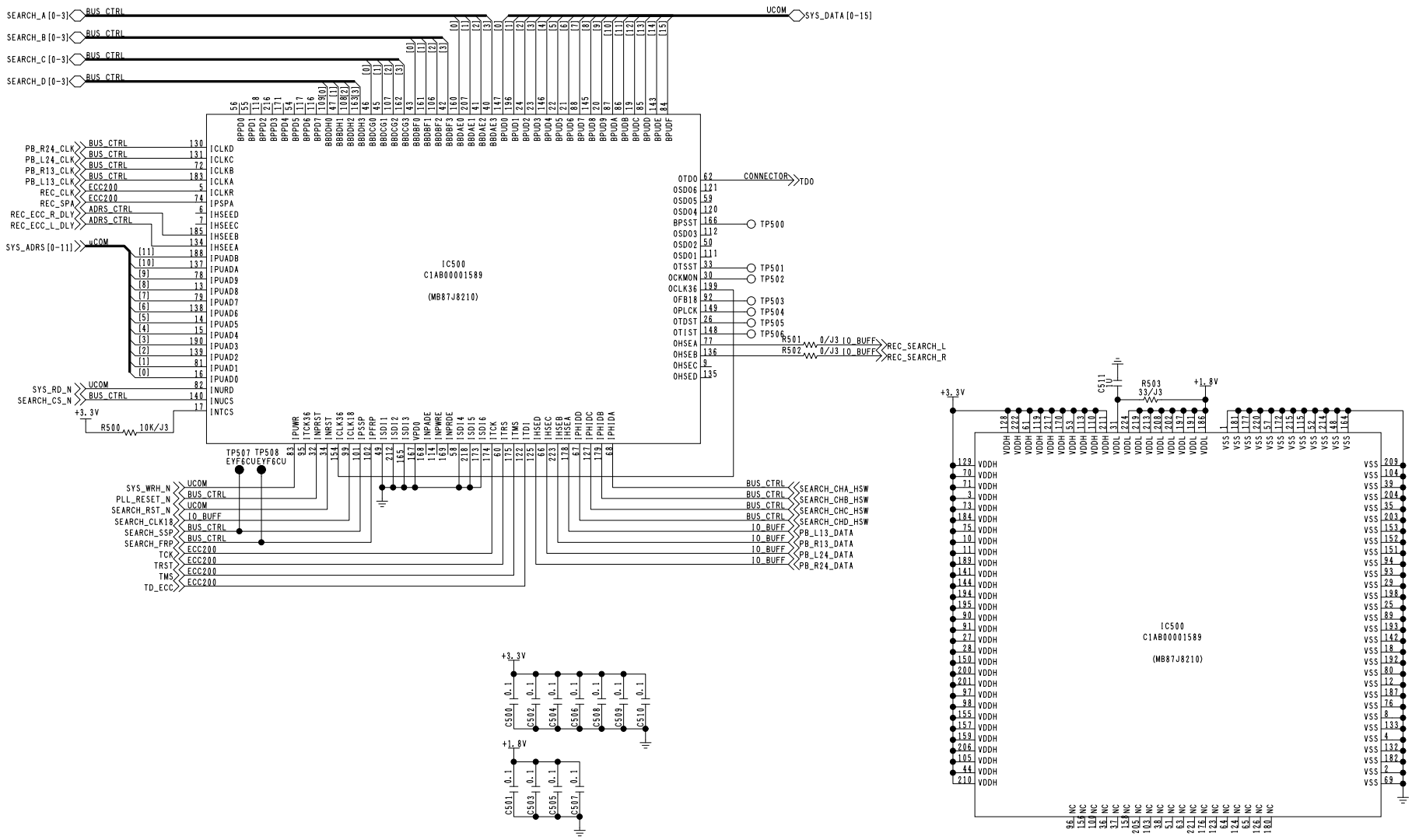
COMPONENT NAME	**REC PB**	07/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(7/12)
		SCM033



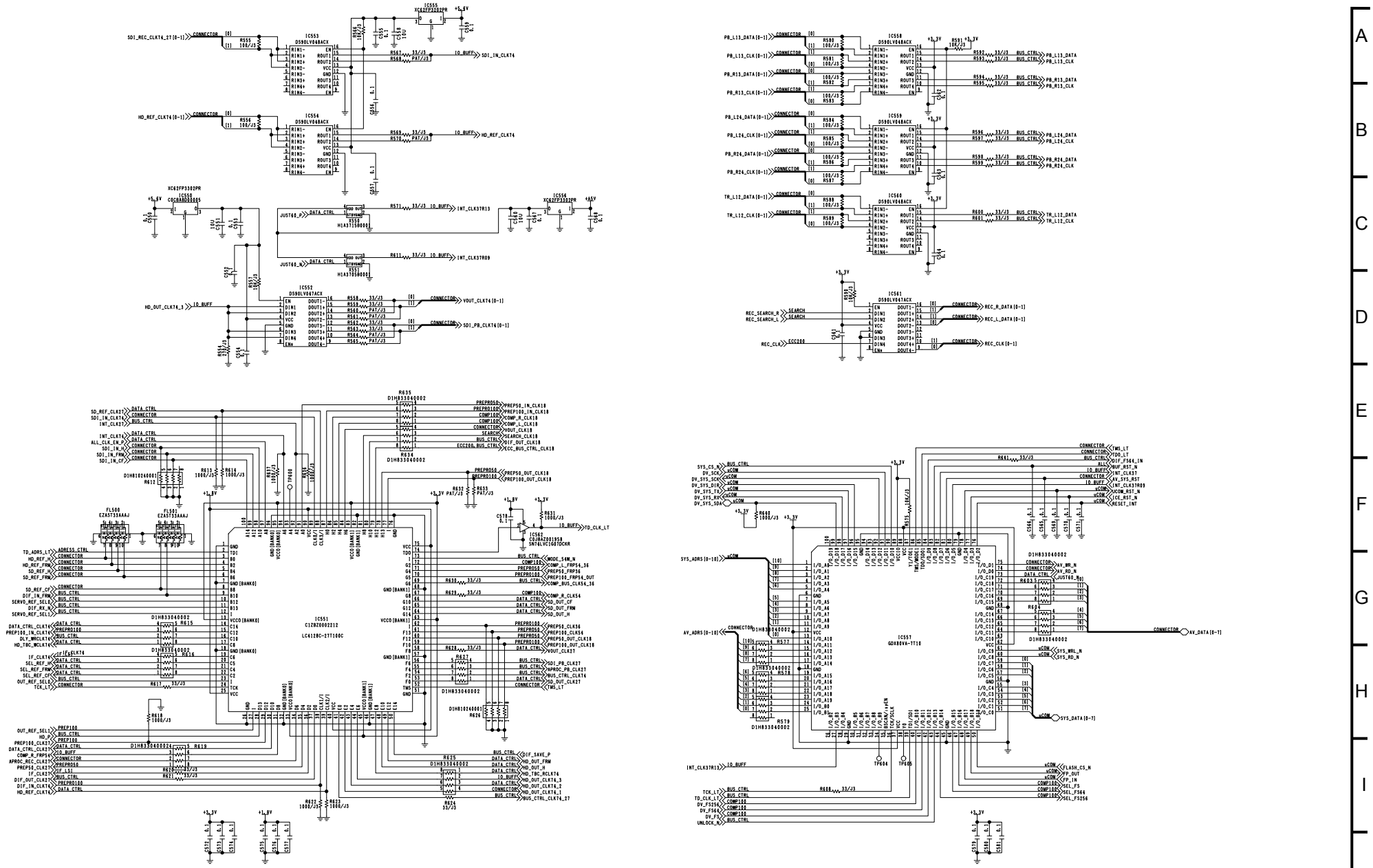
COMPONENT NAME	**REC PB**		08/12
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83624B		KR 3A0186(8/12)	
		SCM034	



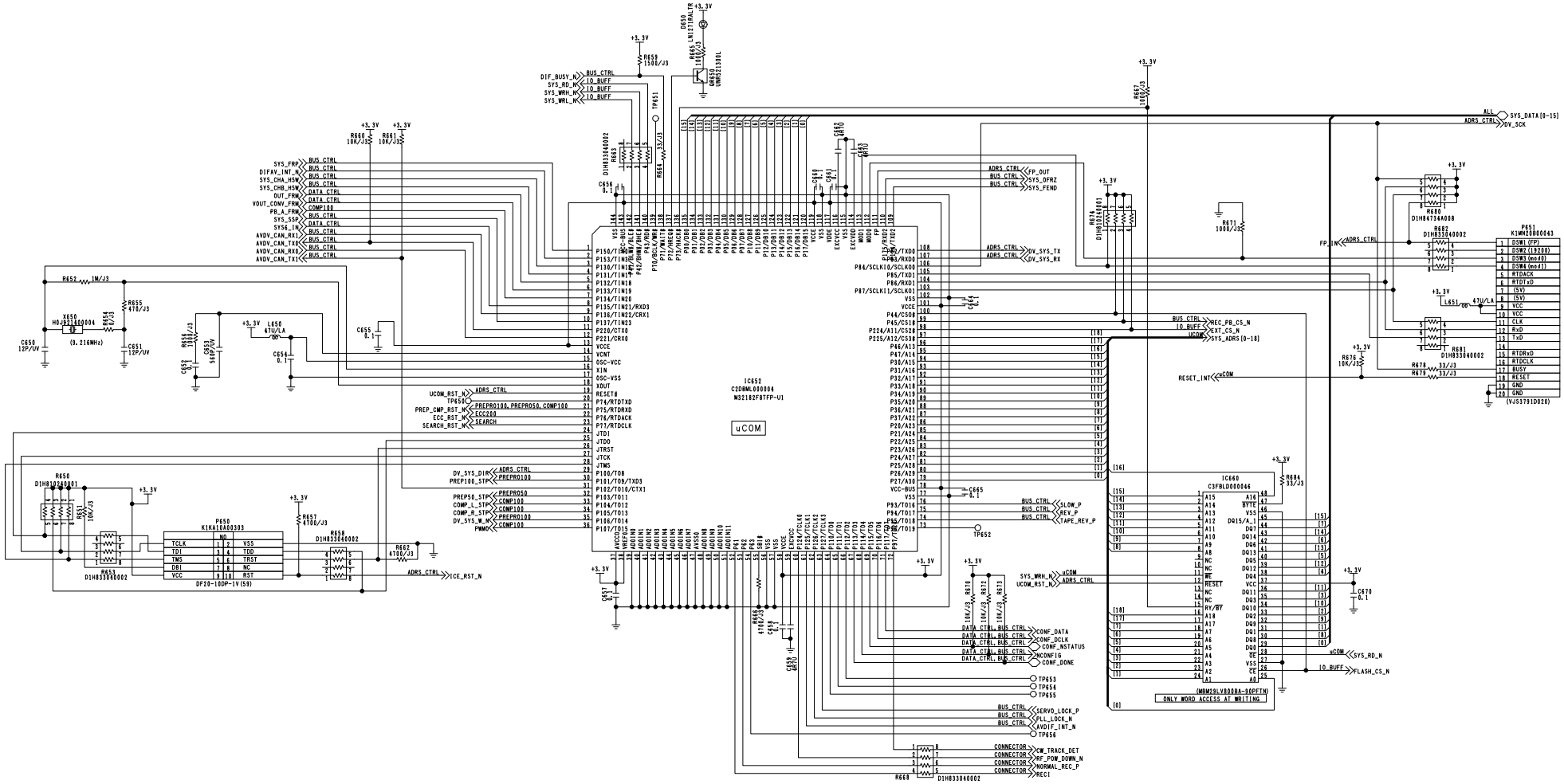
COMPONENT NAME	**REC PB**	09/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(9/12)
		SCM035



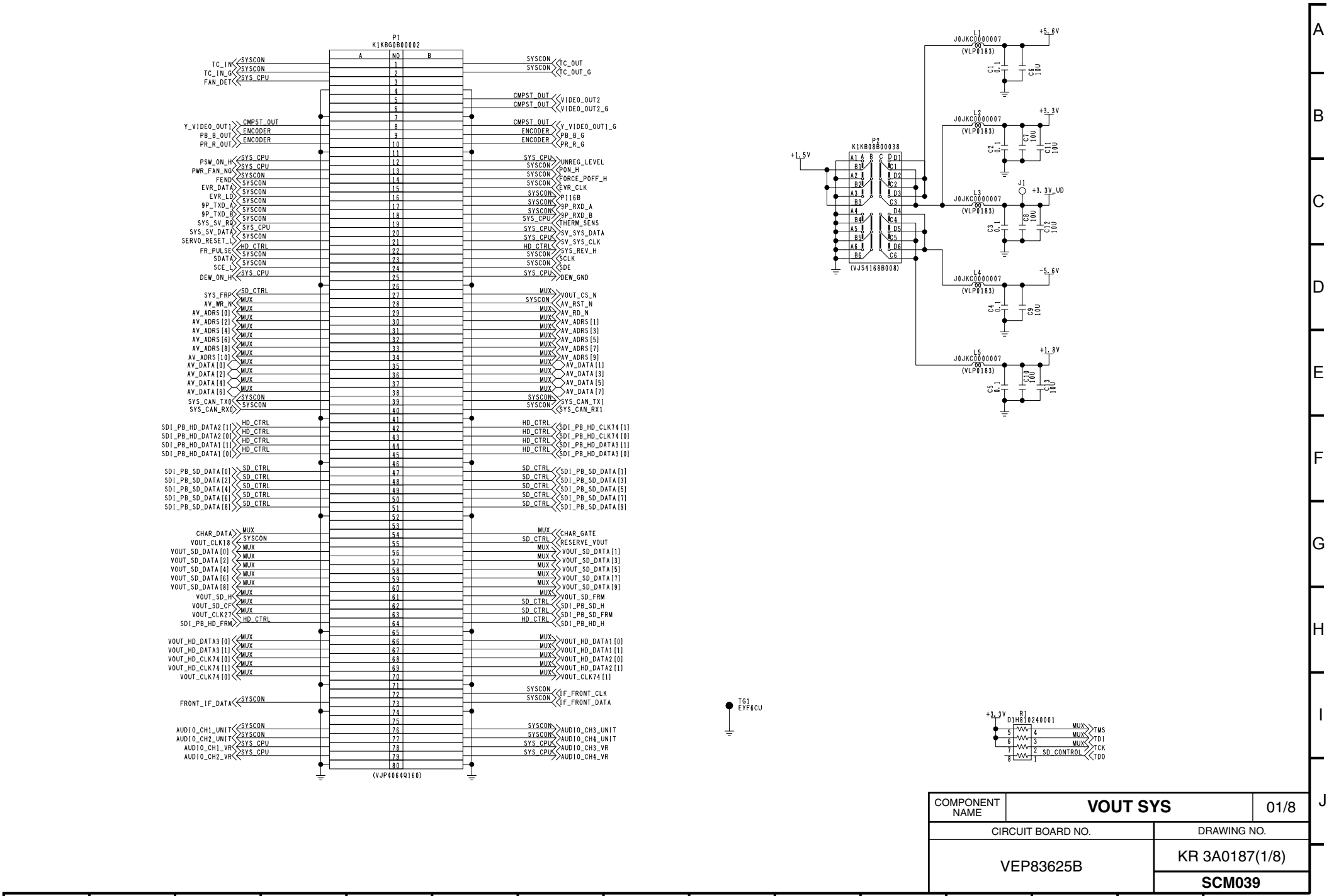
COMPONENT NAME	REC PB	10/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(10/12)
		SCM036



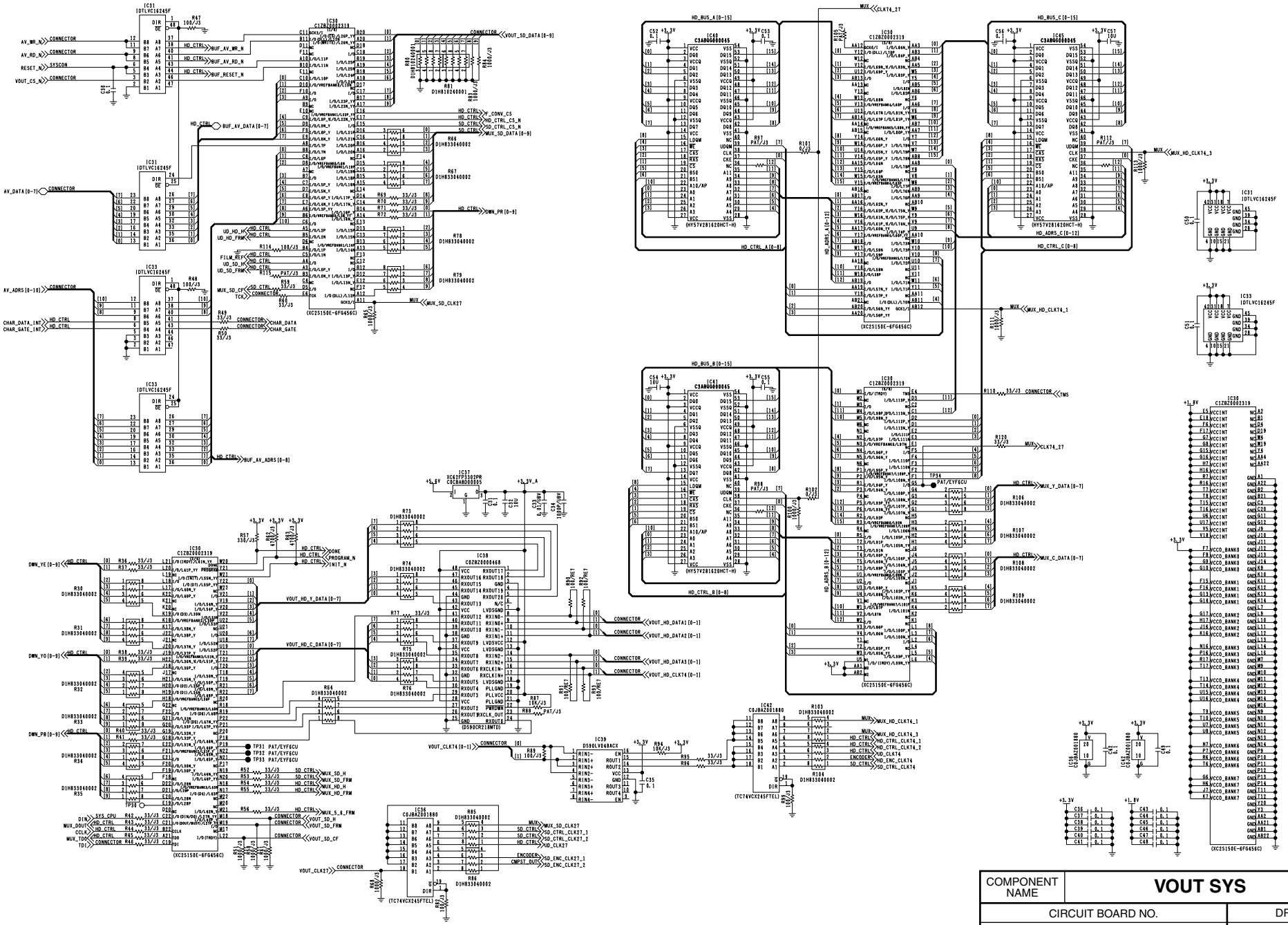
COMPONENT NAME	**REC PB**	11/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(11/12)
		SCM037



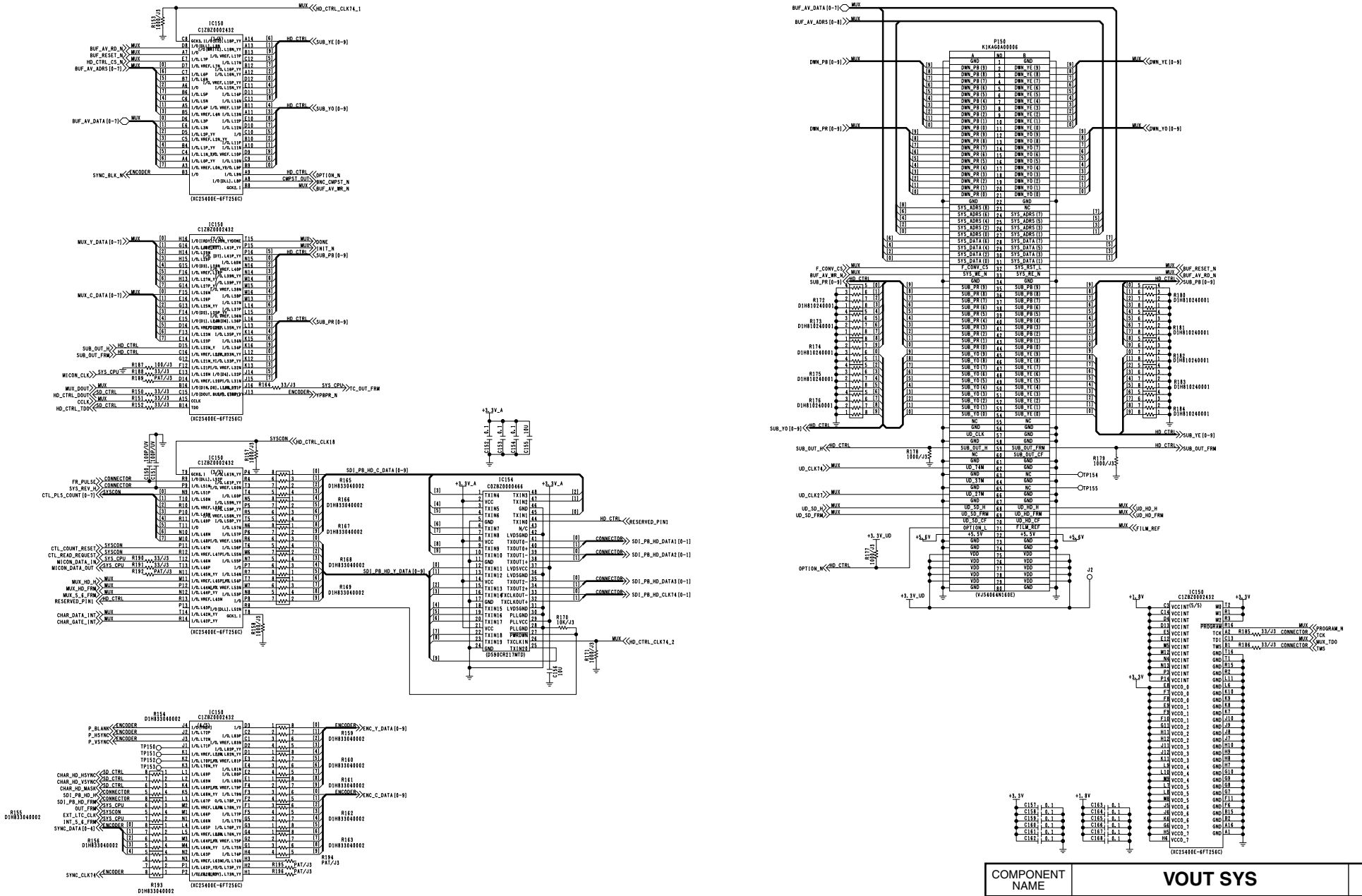
COMPONENT NAME	REC PB	12/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83624B		KR 3A0186(12/12)
		SCM038



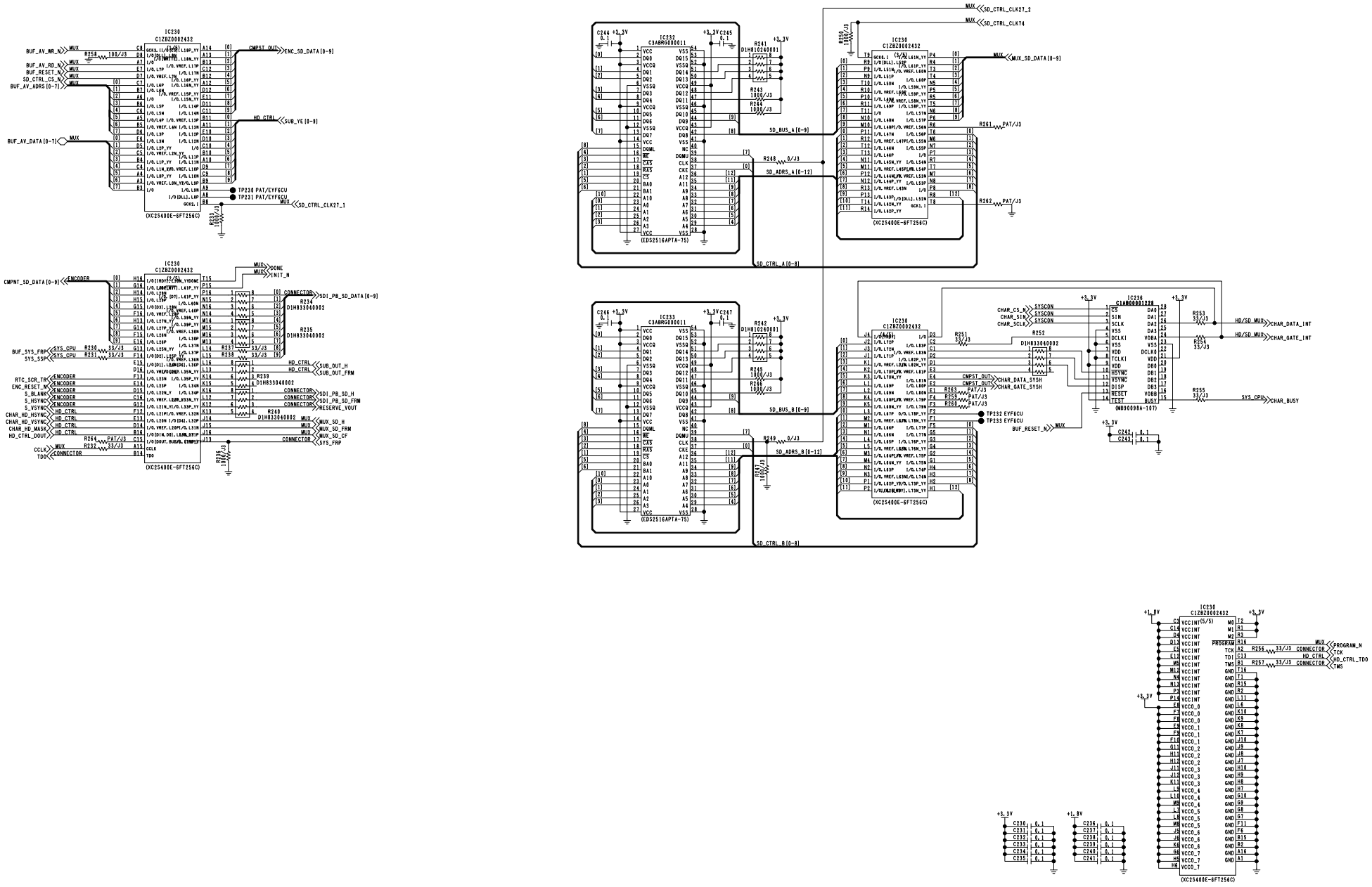
COMPONENT NAME	VOUT SYS	01/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(1/8)
		SCM039



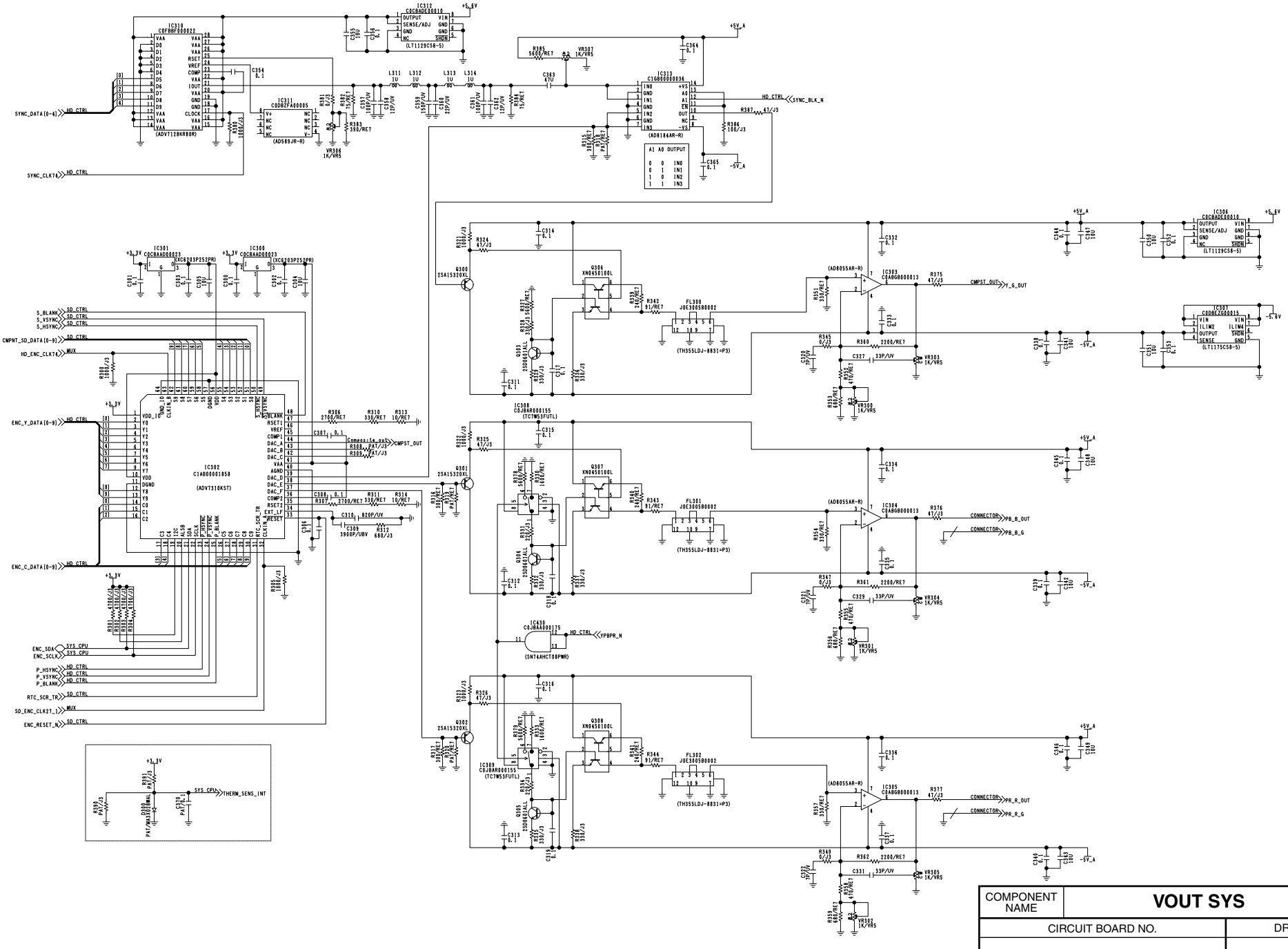
COMPONENT NAME	VOUT SYS	02/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(2/8)
		SCM040



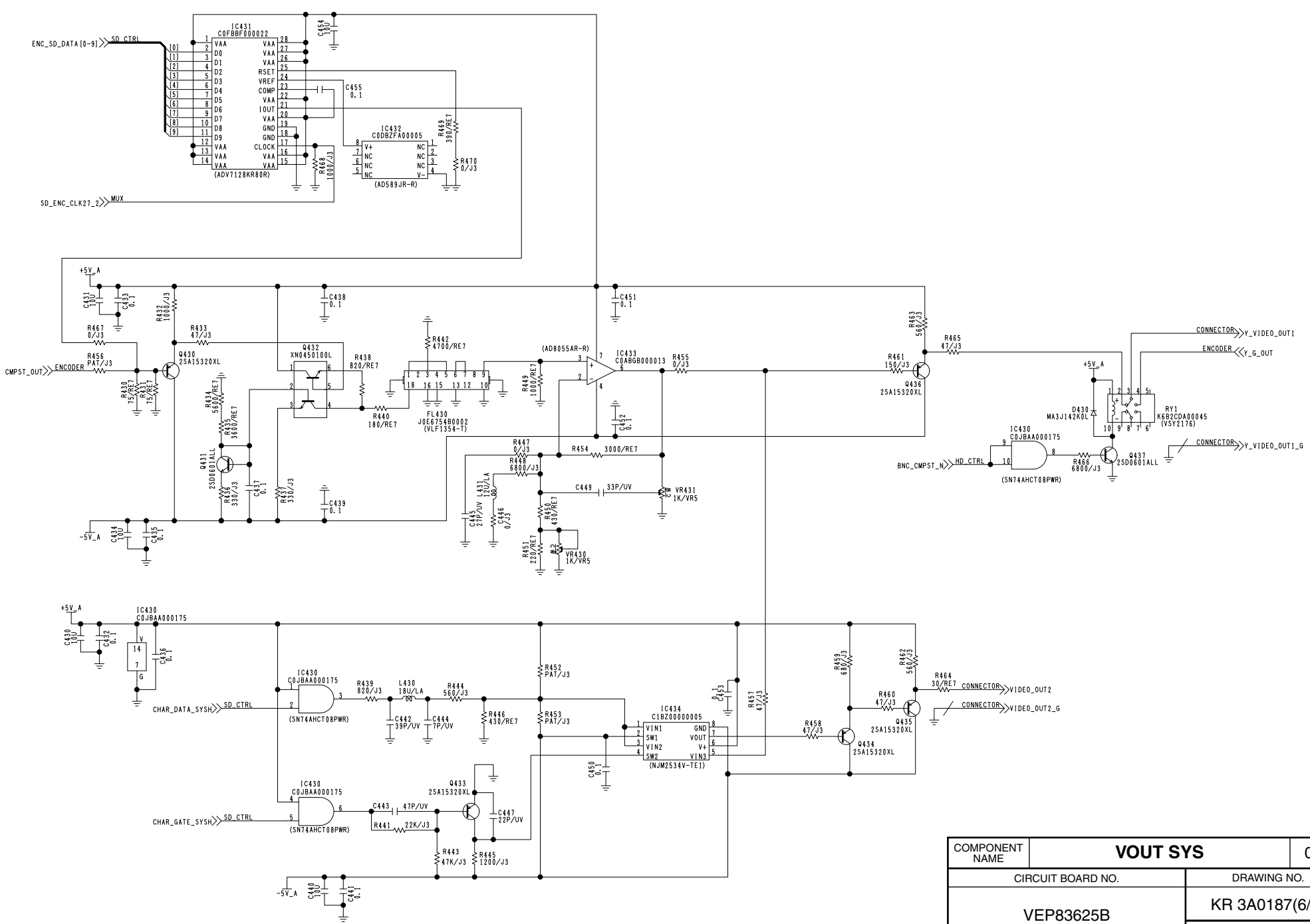
COMPONENT NAME	VOUT SYS	03/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(3/8)
		SCM041



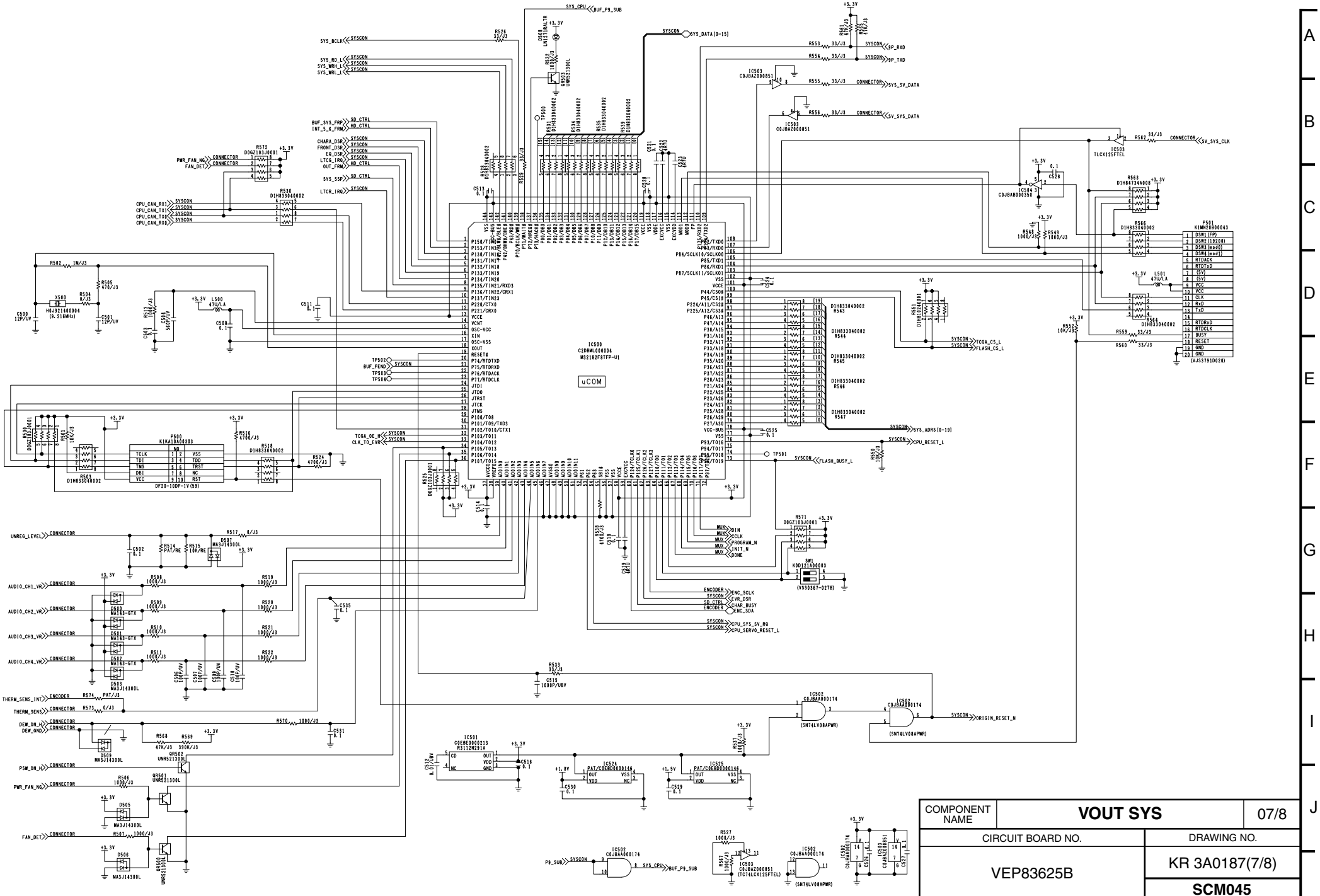
COMPONENT NAME	**VOUT SYS**	04/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(4/8)
		SCM042

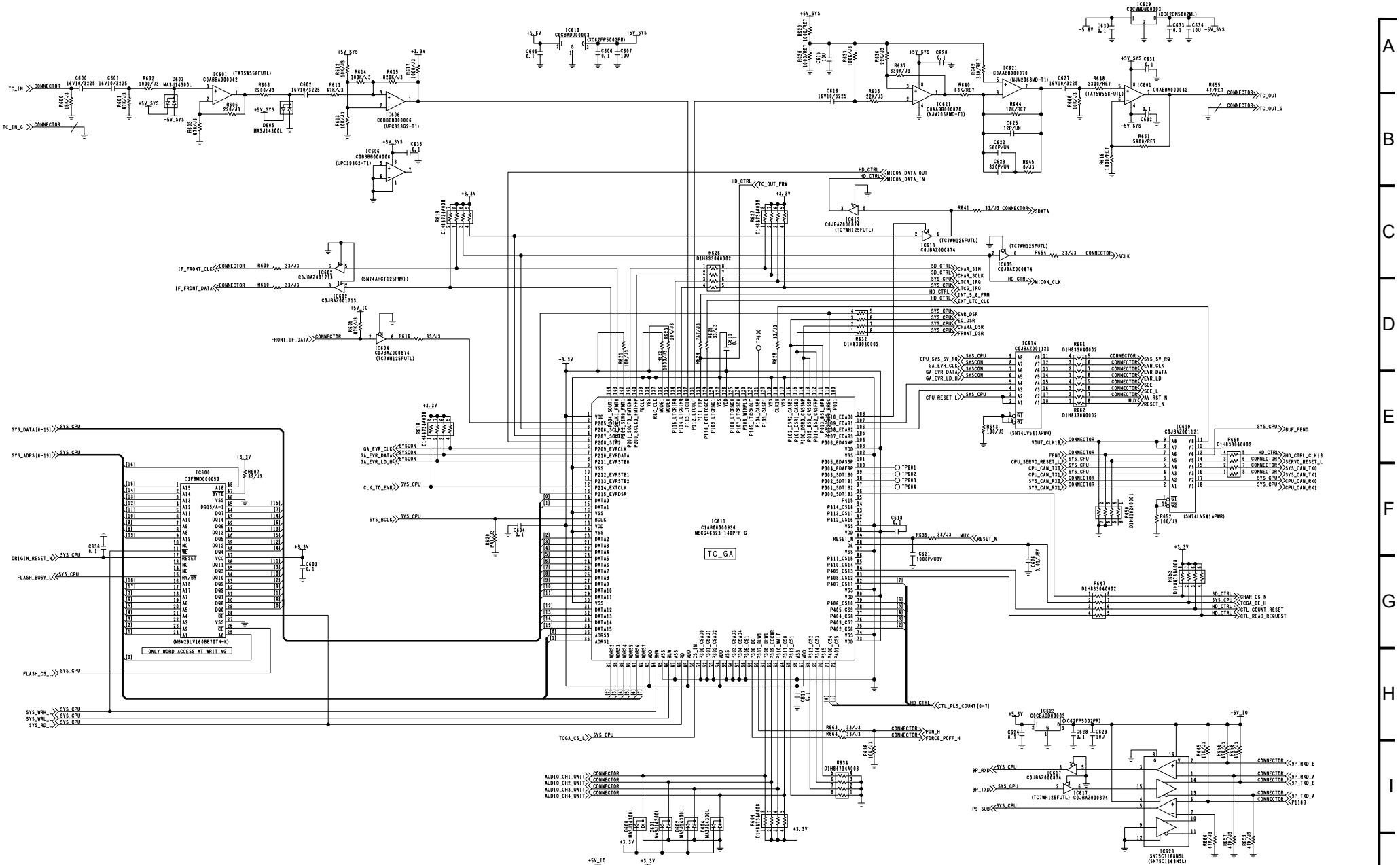


COMPONENT NAME	VOUT SYS	05/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(5/8)
		SCM043

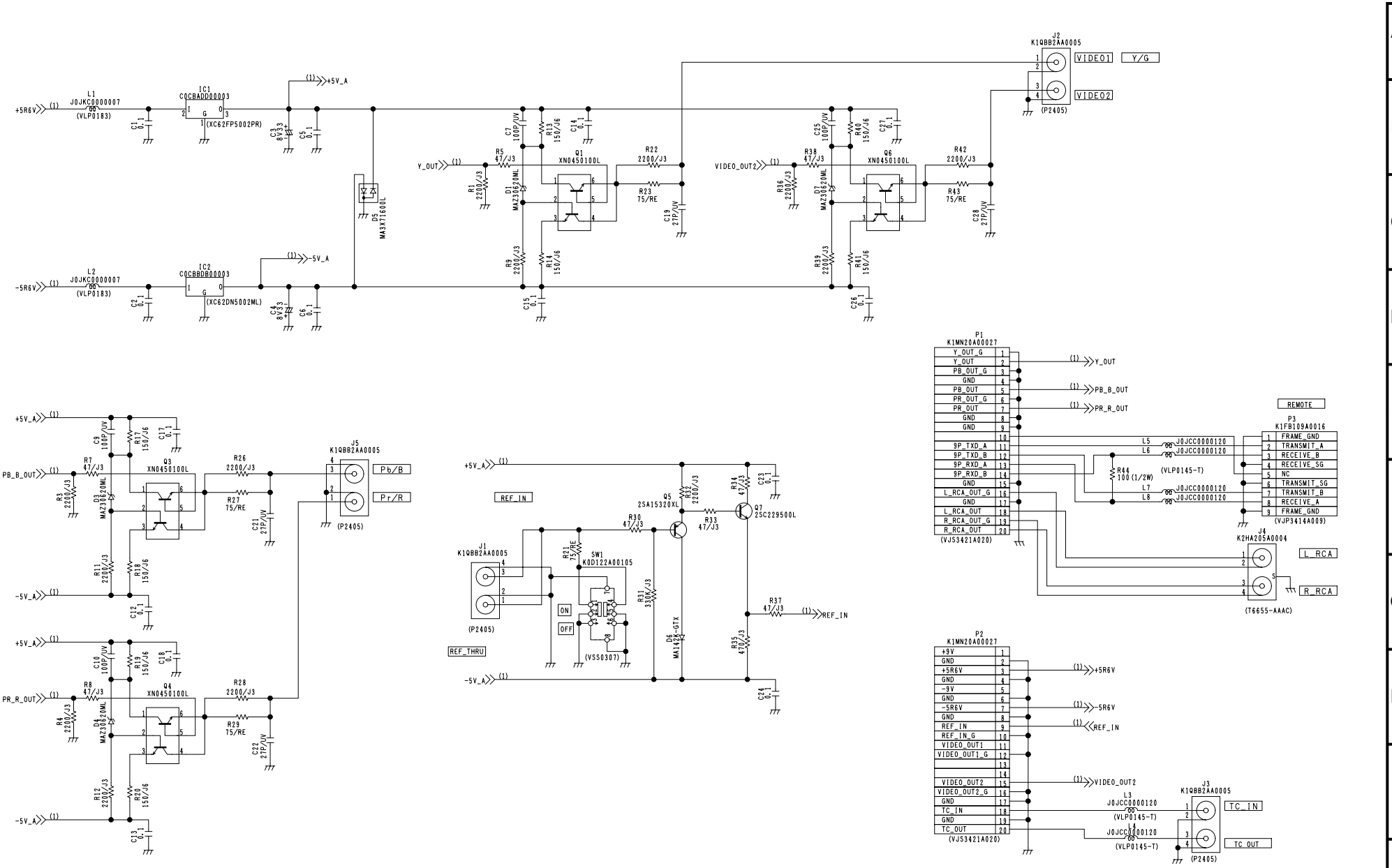


COMPONENT NAME	**VOUT SYS**	06/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83625B		KR 3A0187(6/8)
		SCM044

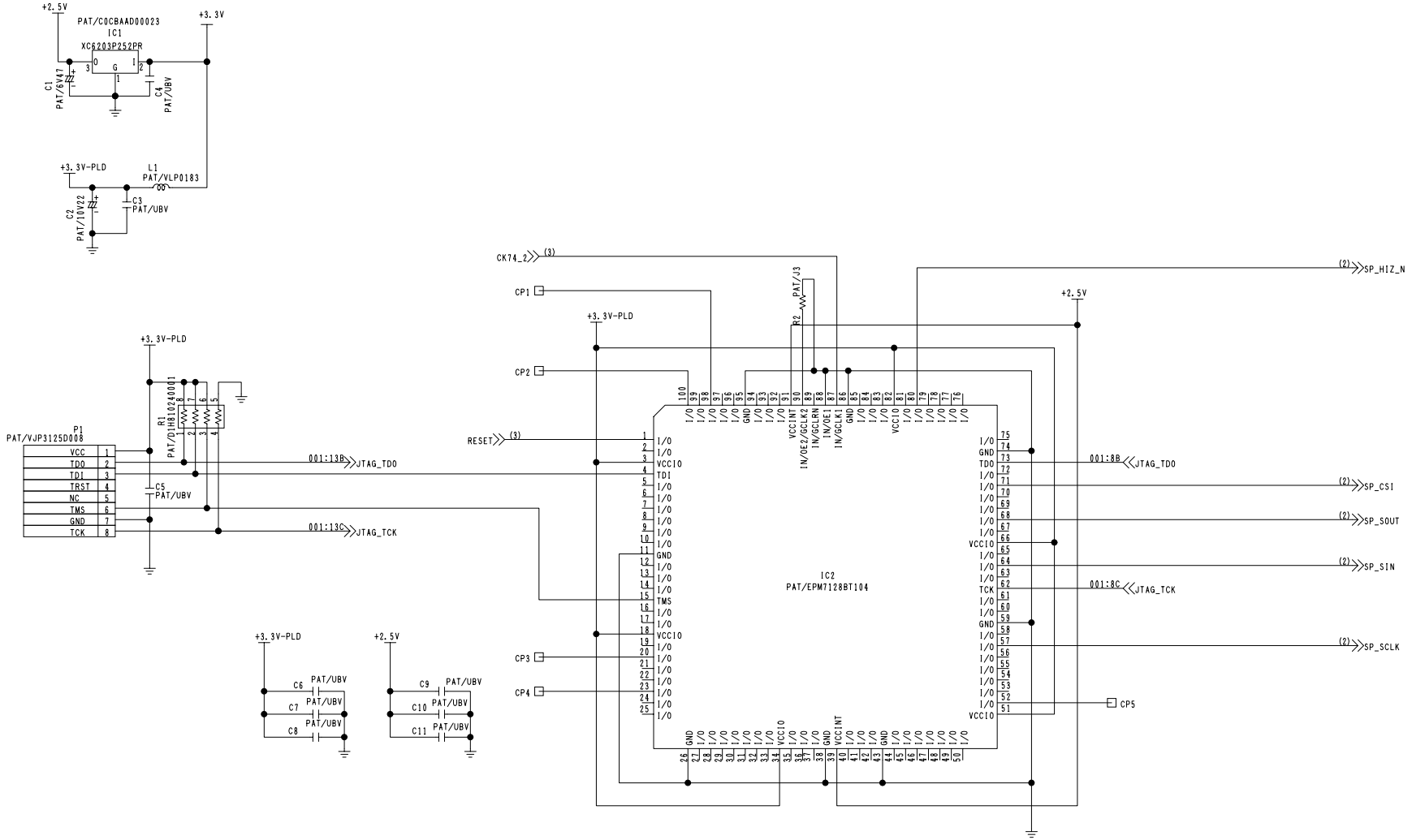

uCOM
IC500
C2DBML000004
M32182F8TFP-U1
SYS_CPU
BUF_P9_SUB
SYSCON
SYS_DATA[0-15]
SYS_BCLK
SYS_RD_L
SYS_WRH_L
SYS_WRL_L
BUF_SYS_FRP
INT_5_6_FRM
CHARA_DSR
FRONT_DSR
EG_DSR
LTCG_IRQ
OUT_FRM
SYS_SSP
LTCR_IRQ
SD CTRL
HD CTRL
CPU_CAN_RX1
CPU_CAN_TX1
CPU_CAN_TX0
CPU_CAN_RX0
PWR_FAN_NG
FAN_DET
TPS02
BUF_FEND
TPS03
TPS04
TCGA_OE_H
CLK_TO_EVR
TPS01
FLASH_BUSY_L
SYS_ADRS[0-19]
CPU_RESET_L
TCGA_CS_L
FLASH_CS_L
CPU_SYS_SV_RQ
CPU_SERVO_RESET_L
ORIGIN_RESET_N
SV_SYS_CLK
SV_SYS_DATA
SP_RXD
SP_TXD
CONNECTOR
ENCODER
ENC_SCLK
EVR_DSR
CHAR_BUSY
ENC_SDA
MUX
DIN
CCLK
PROGRAM_N
INIT_N
DONE
AUDIO_CH1_VR
AUDIO_CH2_VR
AUDIO_CH3_VR
AUDIO_CH4_VR
UNREG_LEVEL
THERM_SENS_INT
THERM_SENS
DEW_ON_H
DEW_GND
PSW_ON_H
P9_SUB
SYS_CPU
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K1MW20B00043
PS00
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DF28-10DP-1V(59)
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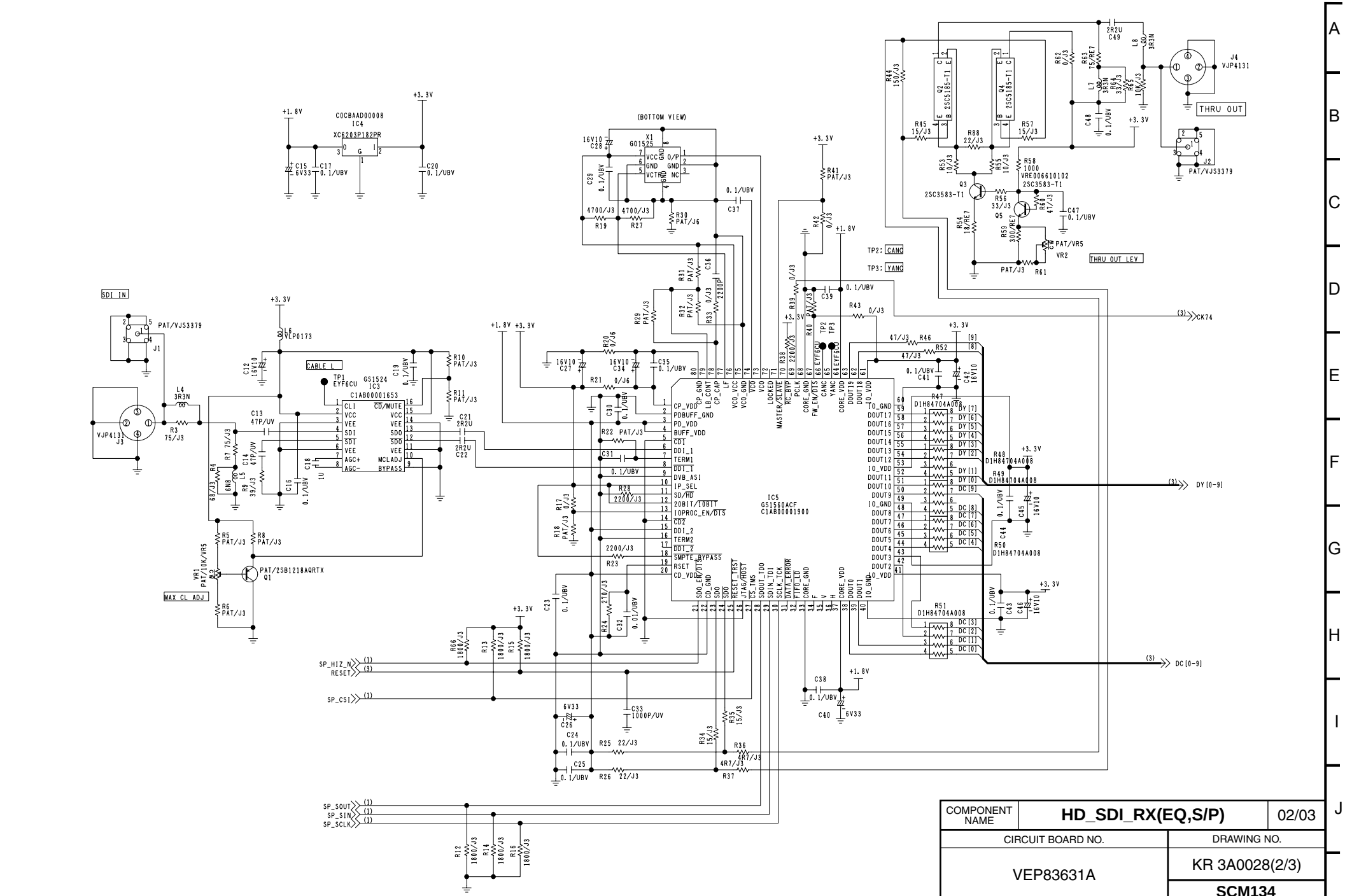
COMPONENT NAME	**VOUT SYS**		08/8
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83625B		KR 3A0187(8/8)	
		SCM046	



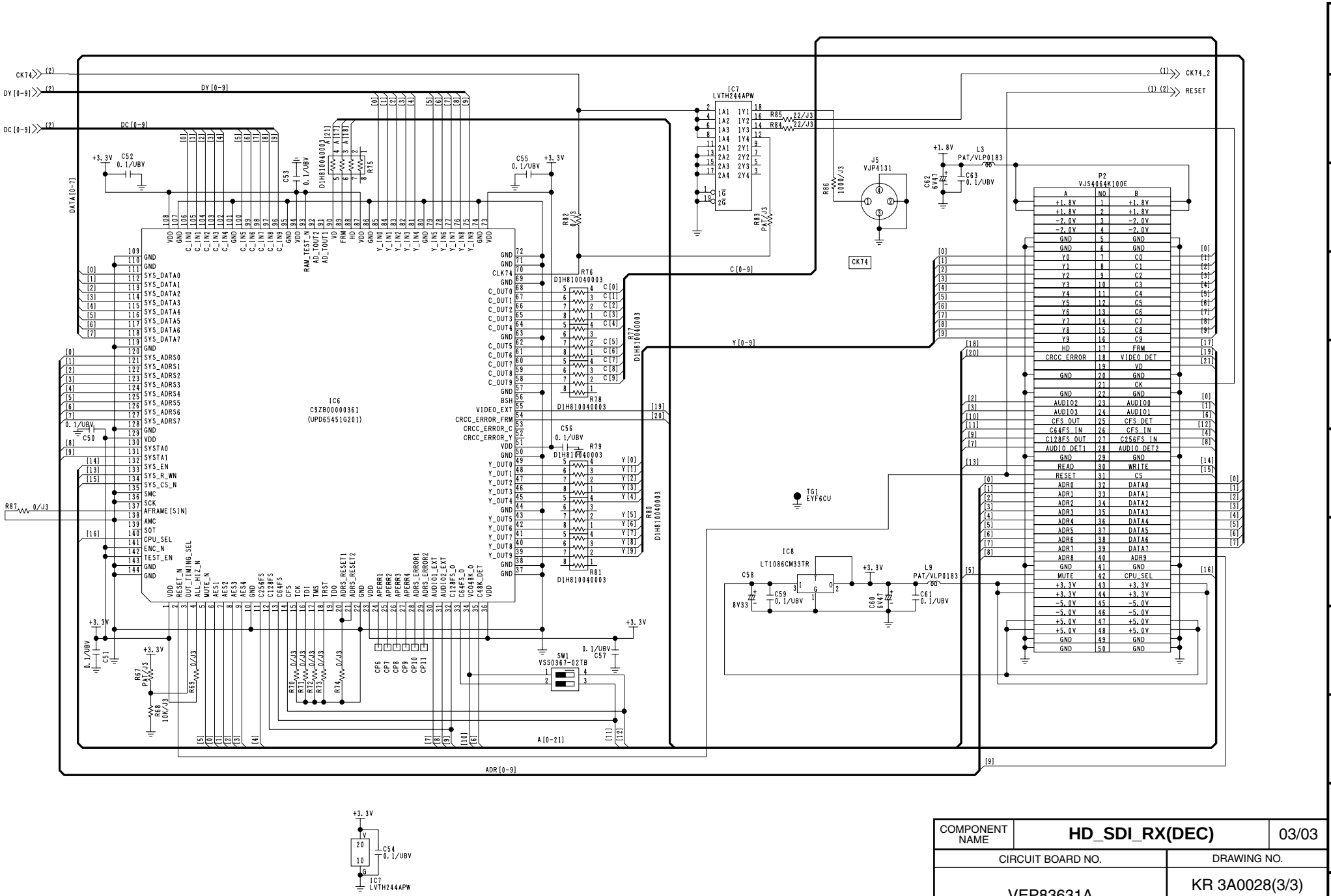
COMPONENT NAME	V_JACK	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP83626A		KR 3A0010(1/1)
		SCM102



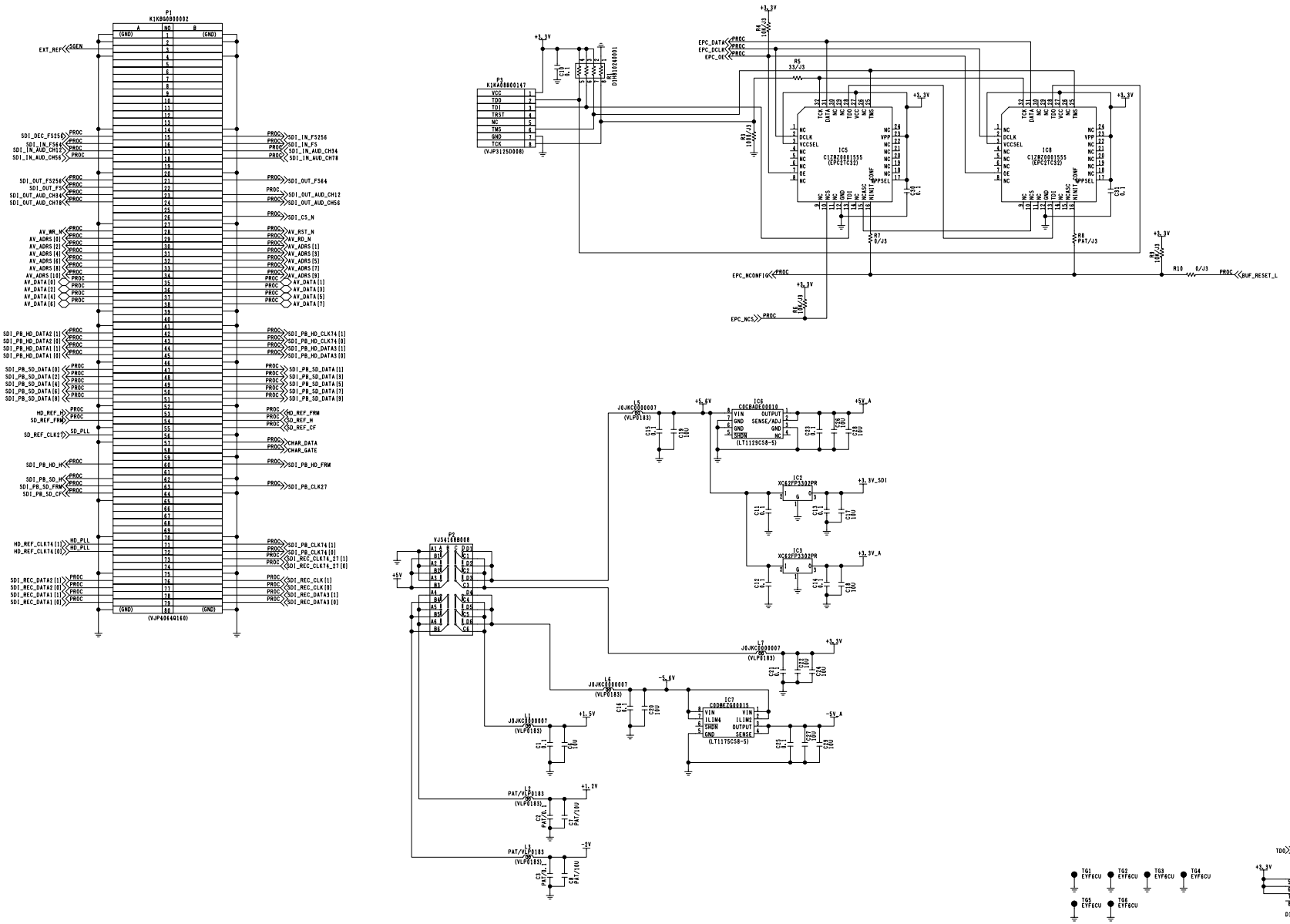
COMPONENT NAME	**HD_SDI_RX(PLD)**	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83631A		KR 3A0028(1/3)
		SCM133



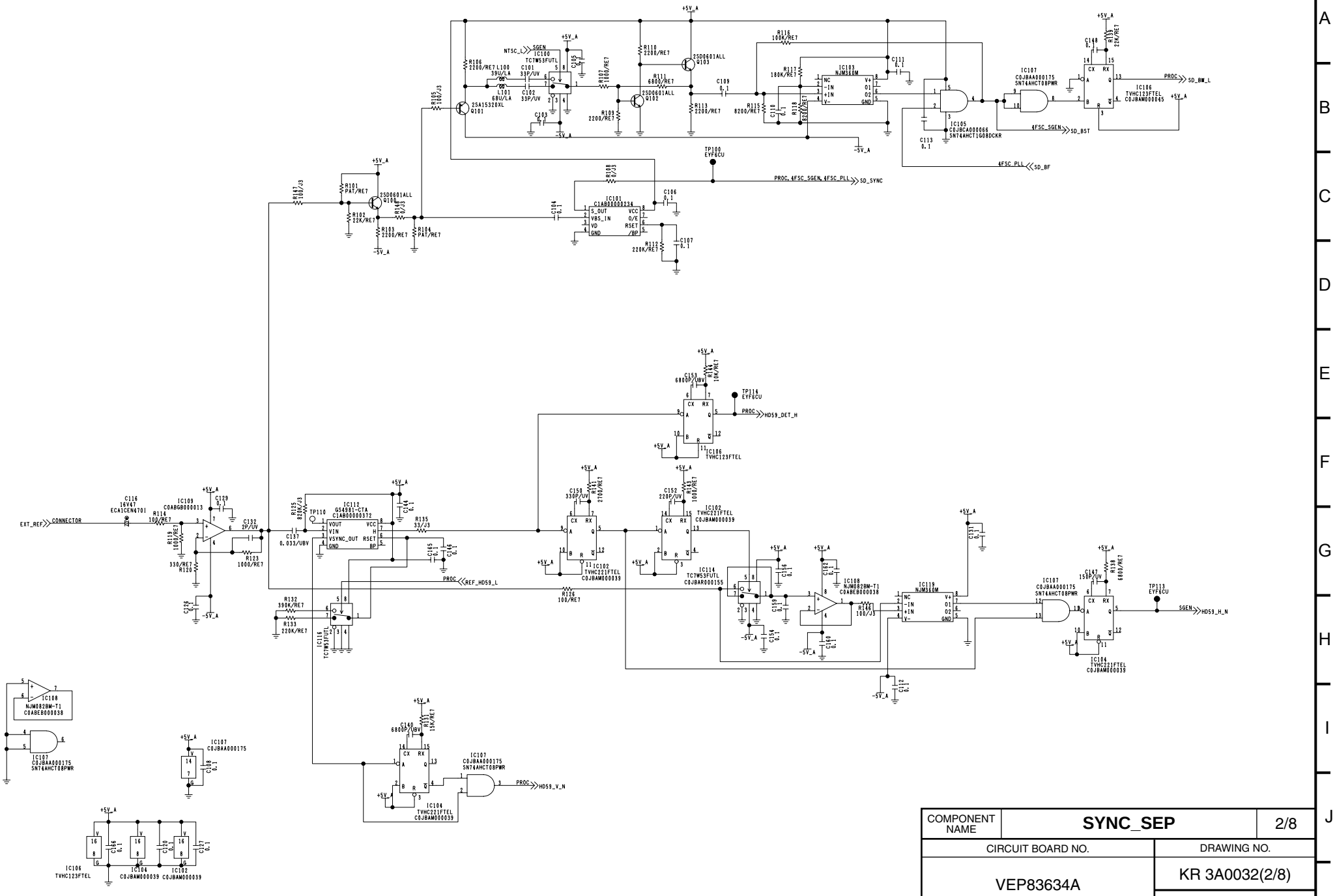
COMPONENT NAME	HD_SDI_RX(EQ,S/P)	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83631A		KR 3A0028(2/3)
		SCM134



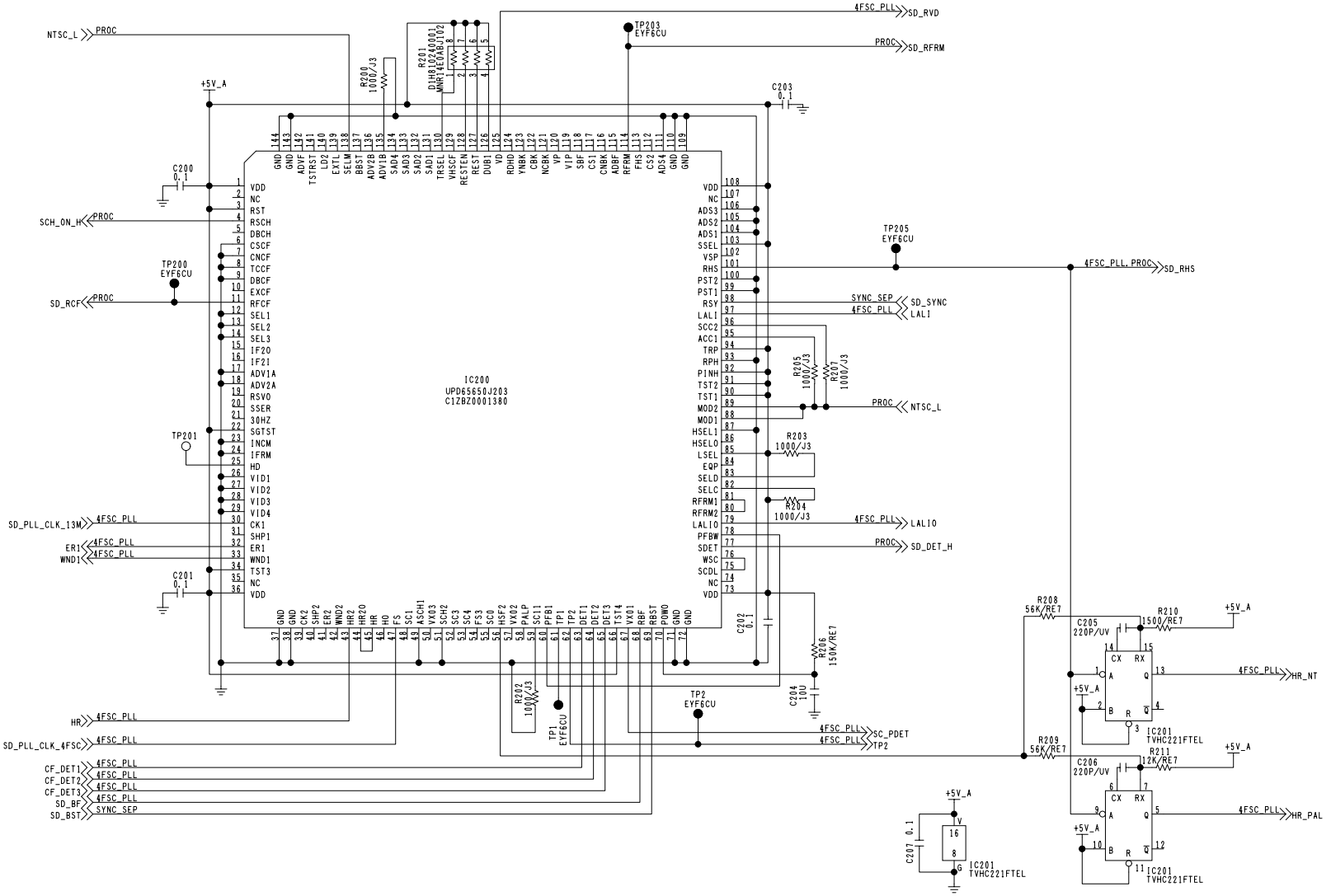
COMPONENT NAME	**HD_SDI_RX(DEC)**	03/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83631A		KR 3A0028(3/3)
		SCM135



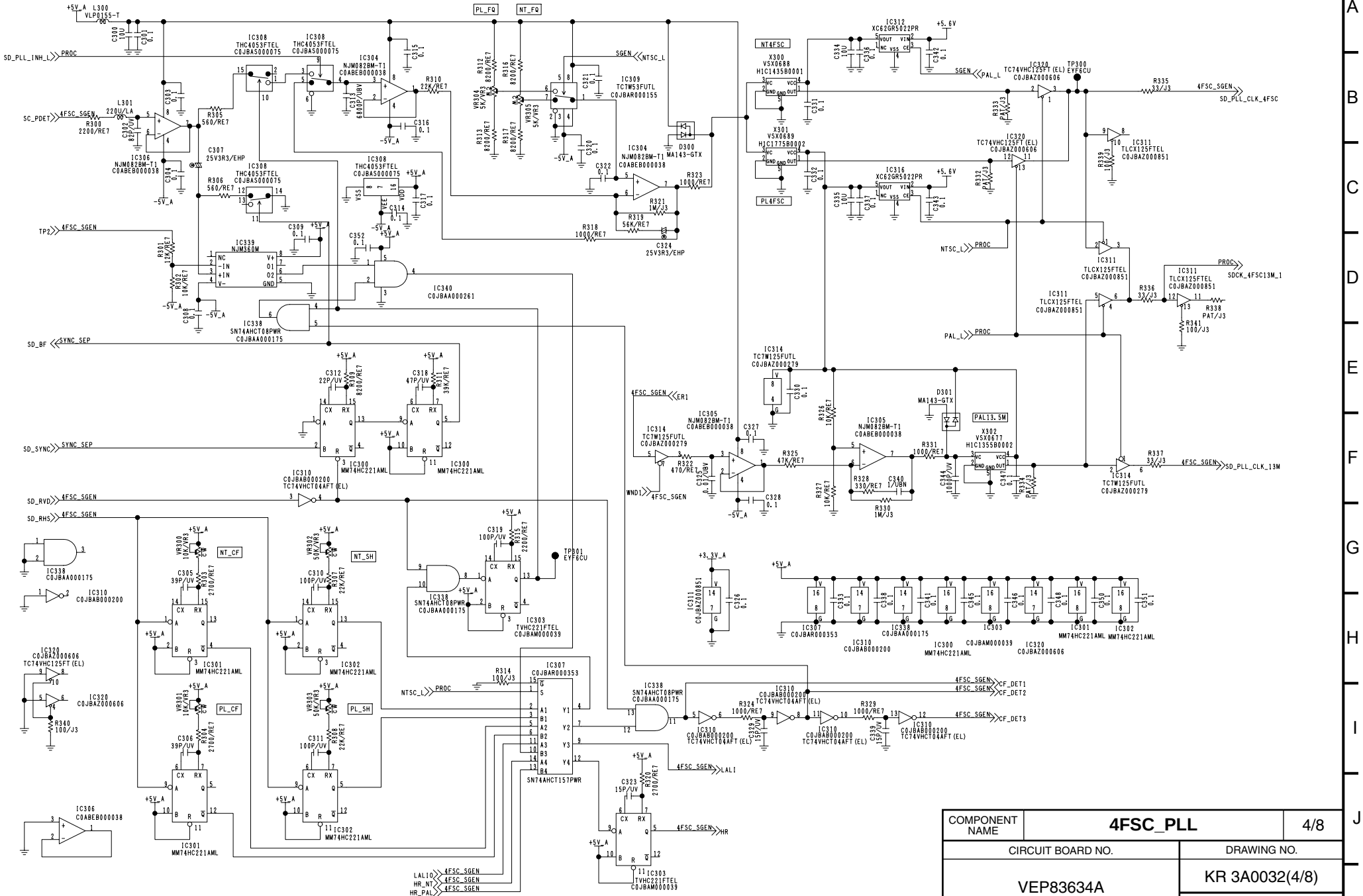
COMPONENT NAME	**CONNECTOR**	1/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(1/8)
		SCM125



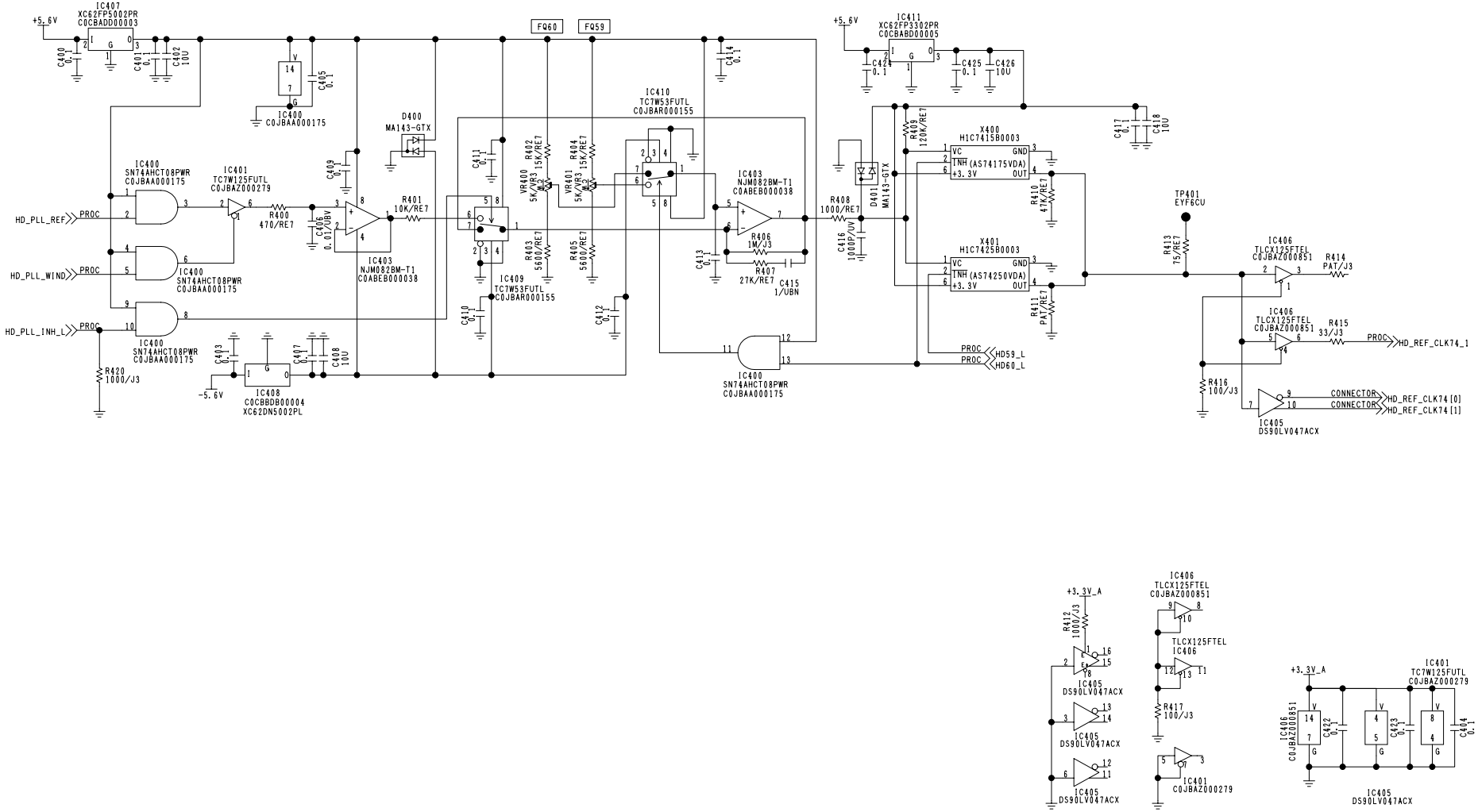
COMPONENT NAME	**SYNC_SEP**	2/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(2/8)
		SCM126



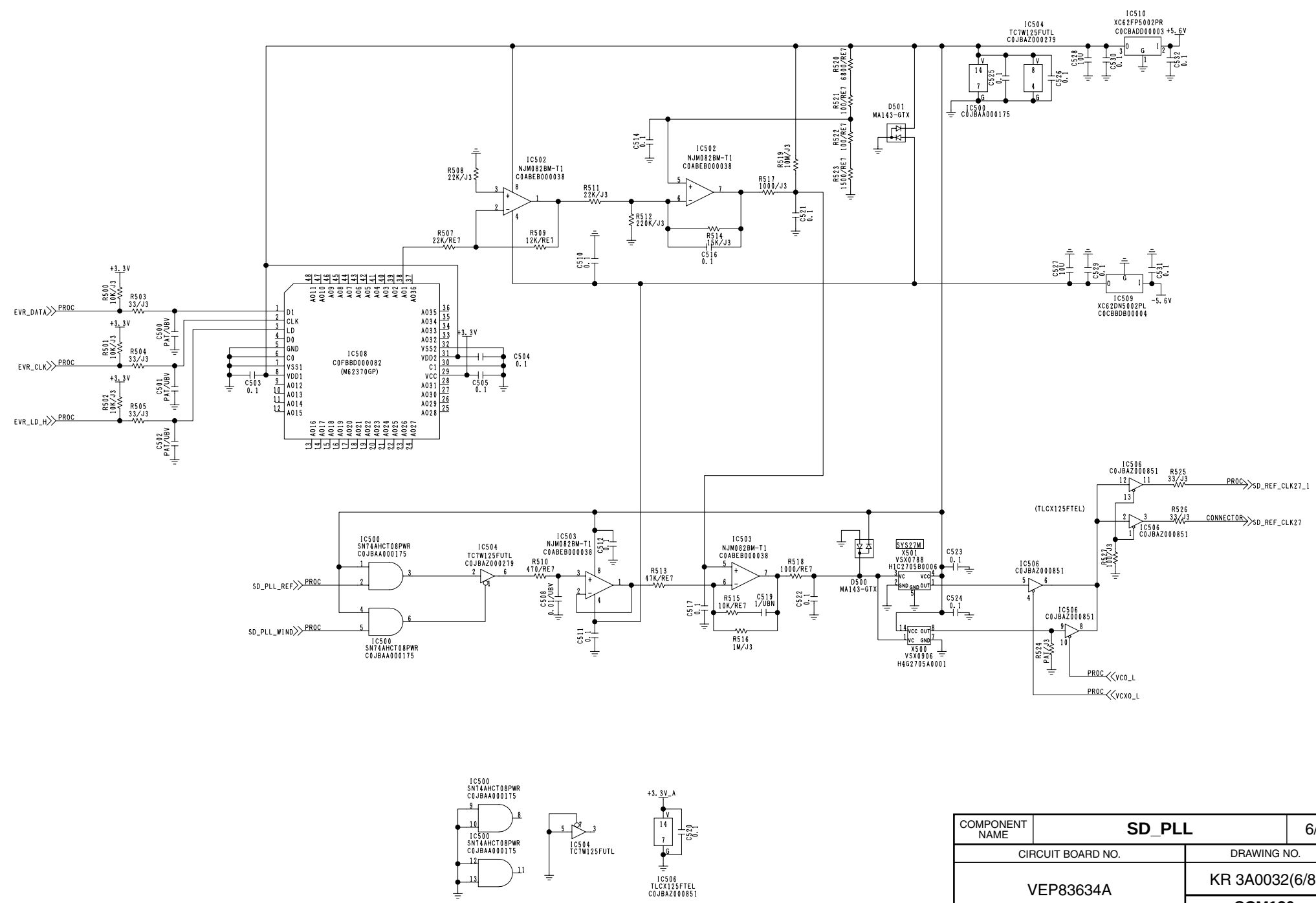
COMPONENT NAME	**4FSC_SGEN**	3/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(3/8)
		SCM127



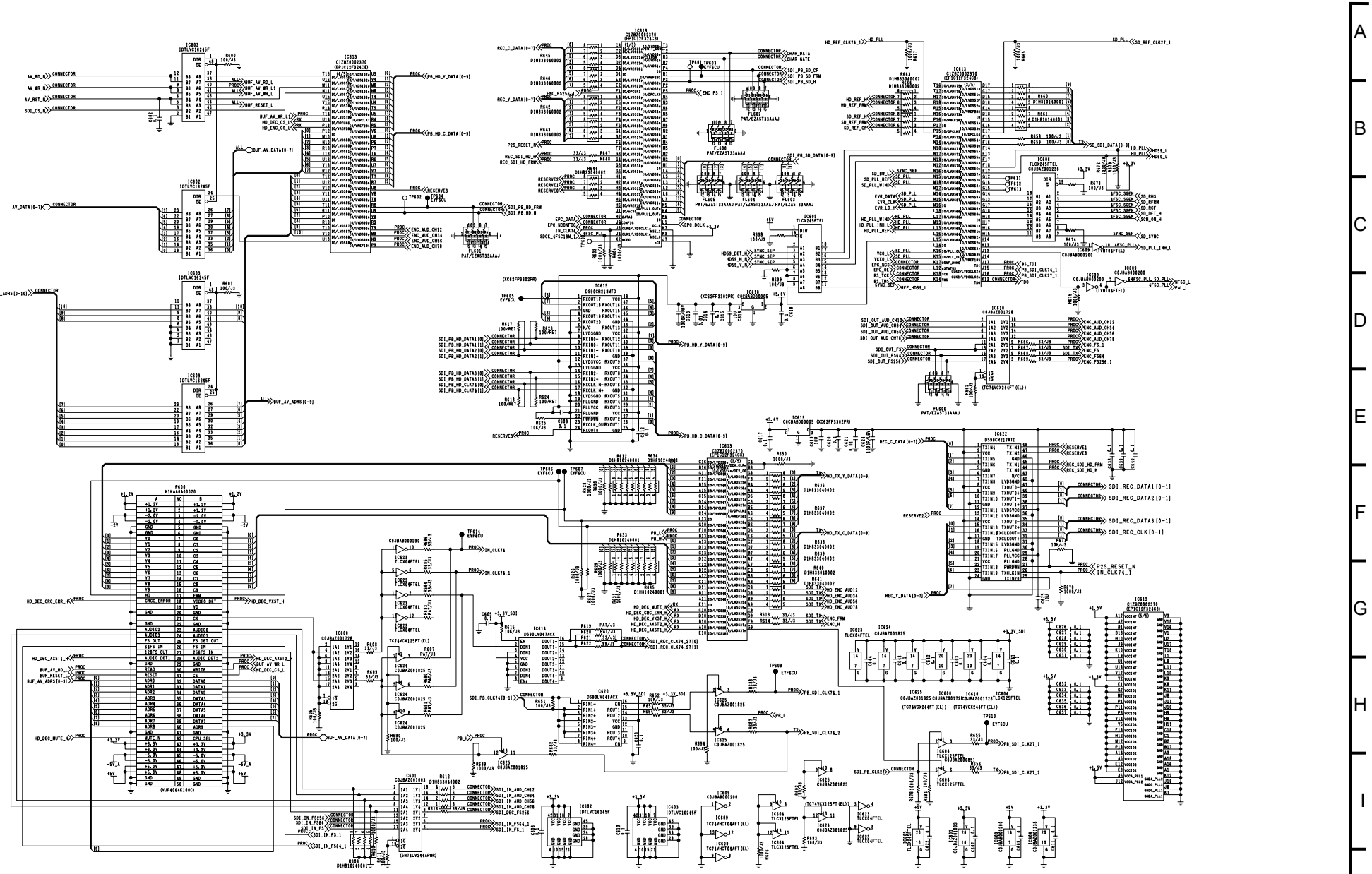
COMPONENT NAME	**4FSC_PLL**	4/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(4/8)
		SCM128



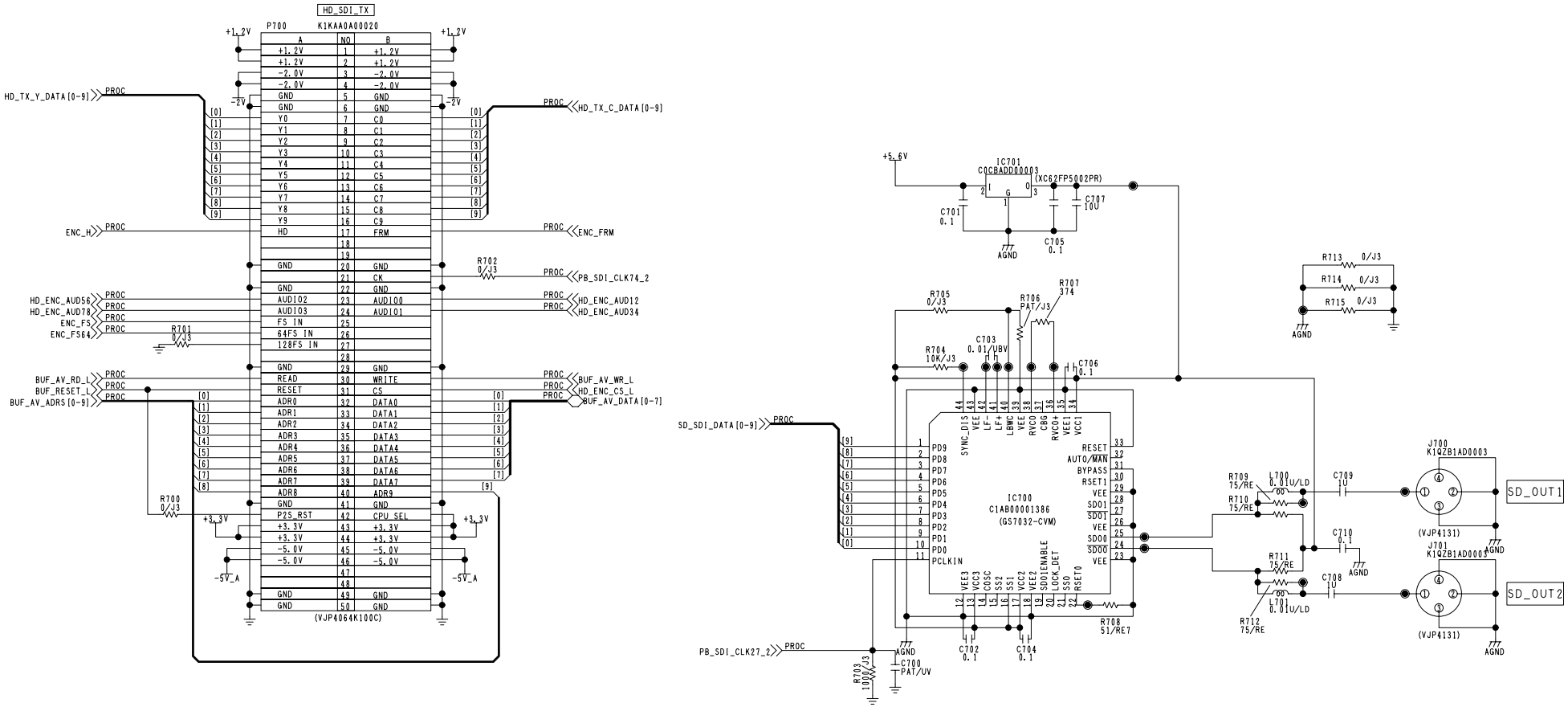
COMPONENT NAME	HD_PLL	5/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(5/8)
		SCM129



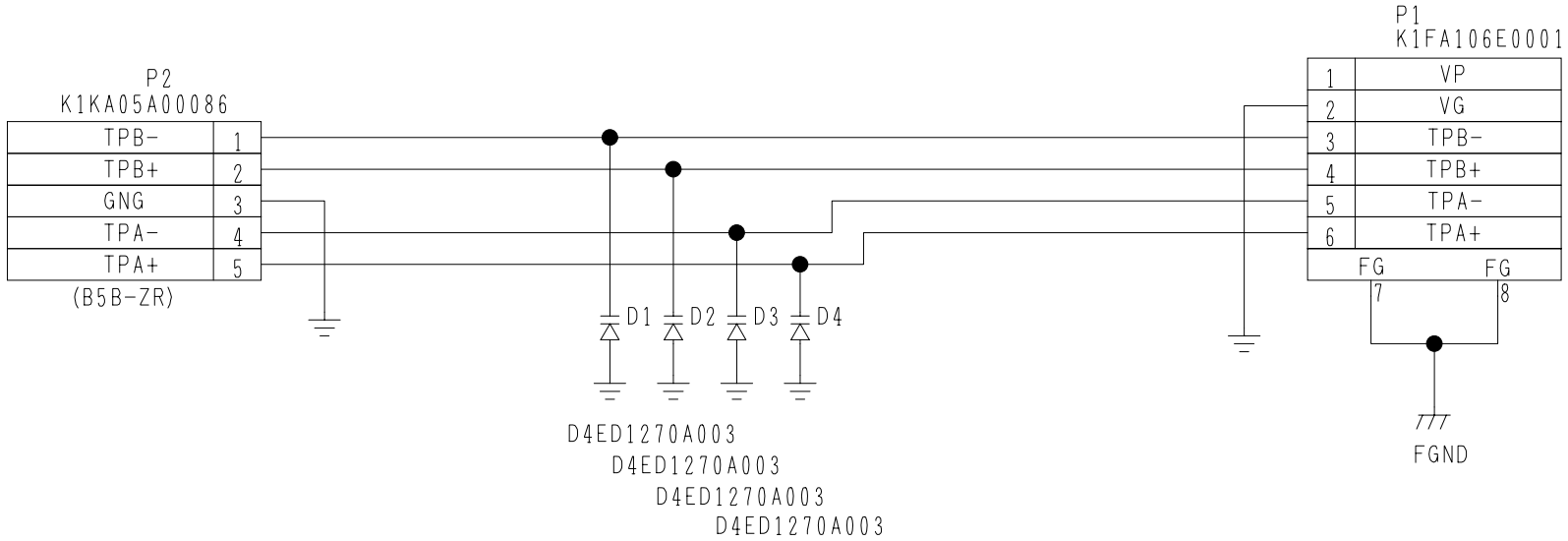
COMPONENT NAME	**SD_PLL**	6/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(6/8)
		SCM130



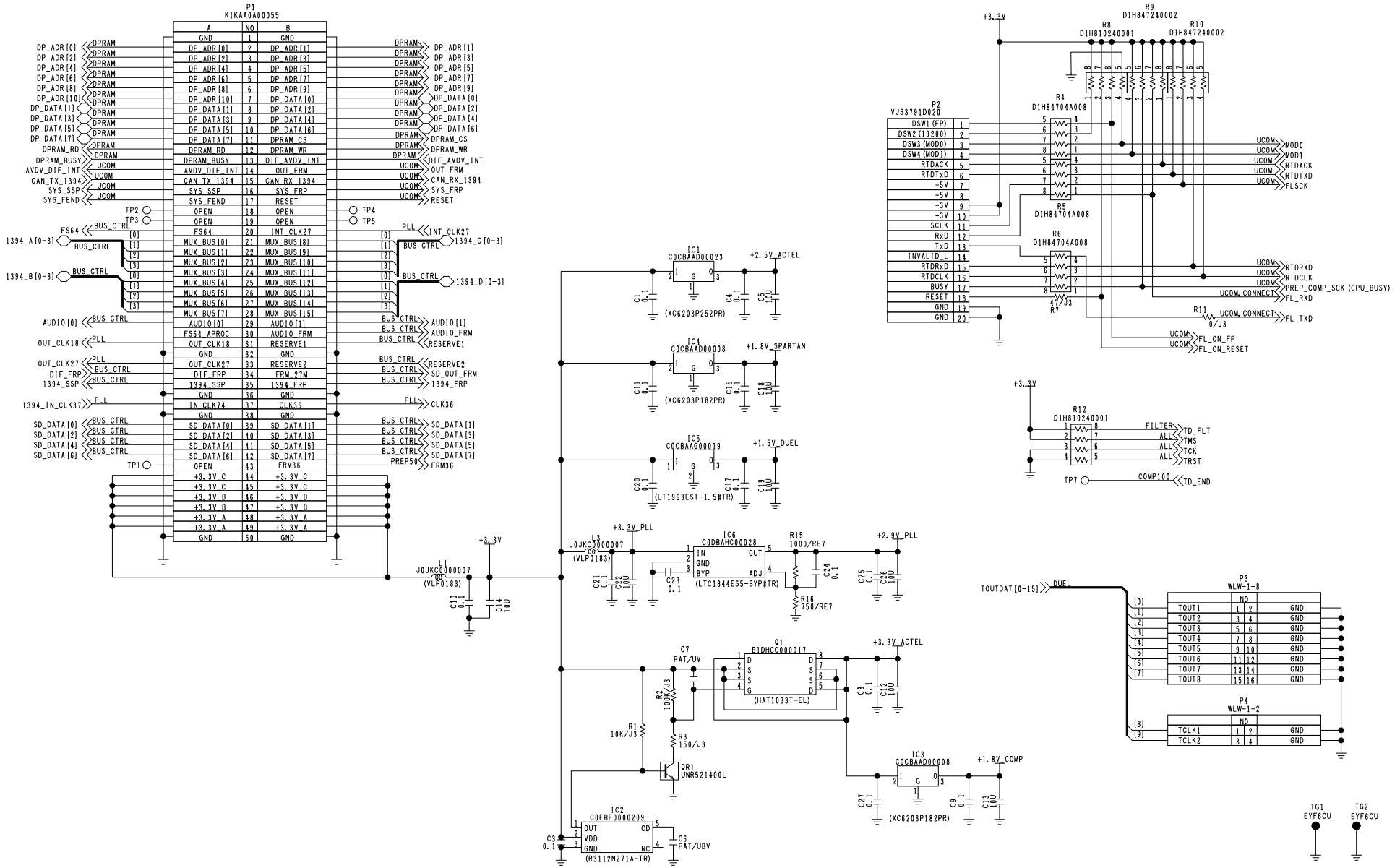
COMPONENT NAME	**HD_SDI_RX&PROC**	7/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(7/8)
		SCM131

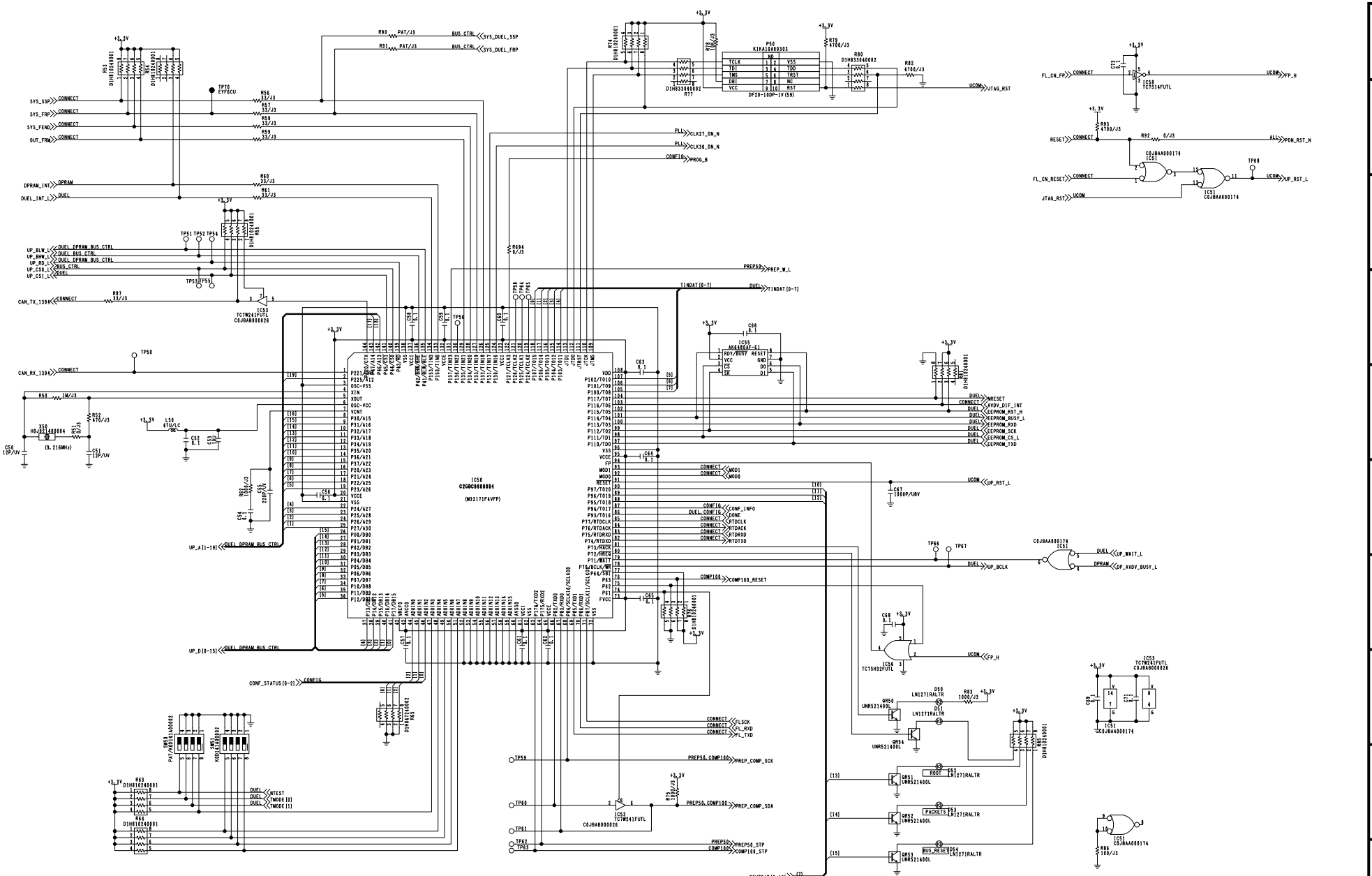


COMPONENT NAME	**SDI_TX**	8/8
CIRCUIT BOARD NO.		DRAWING NO.
VEP83634A		KR 3A0032(8/8)
		SCM132

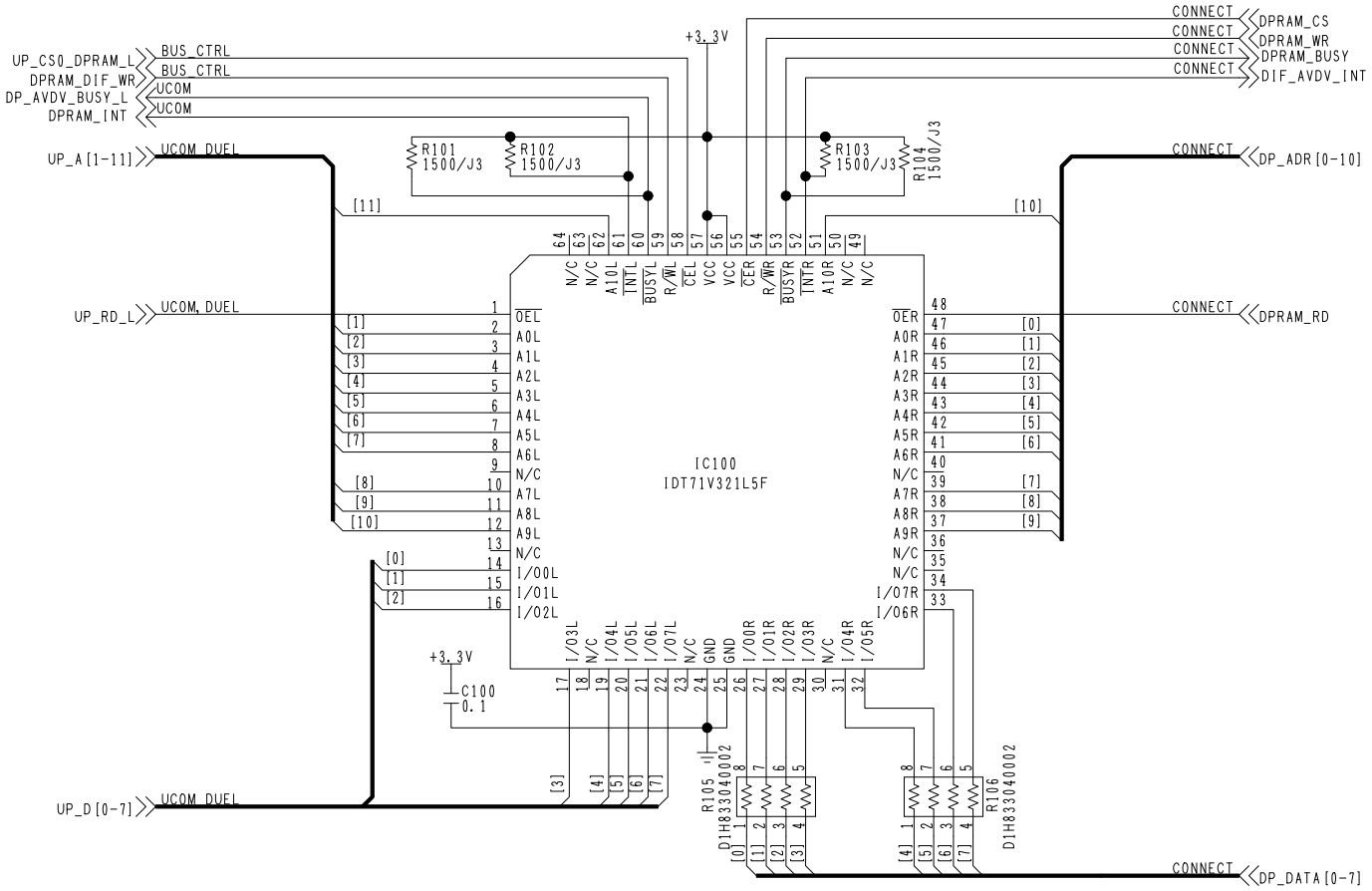


COMPONENT NAME	**1394_JACK**	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP83644A		KR 3A0148(1/1)
		SCM117

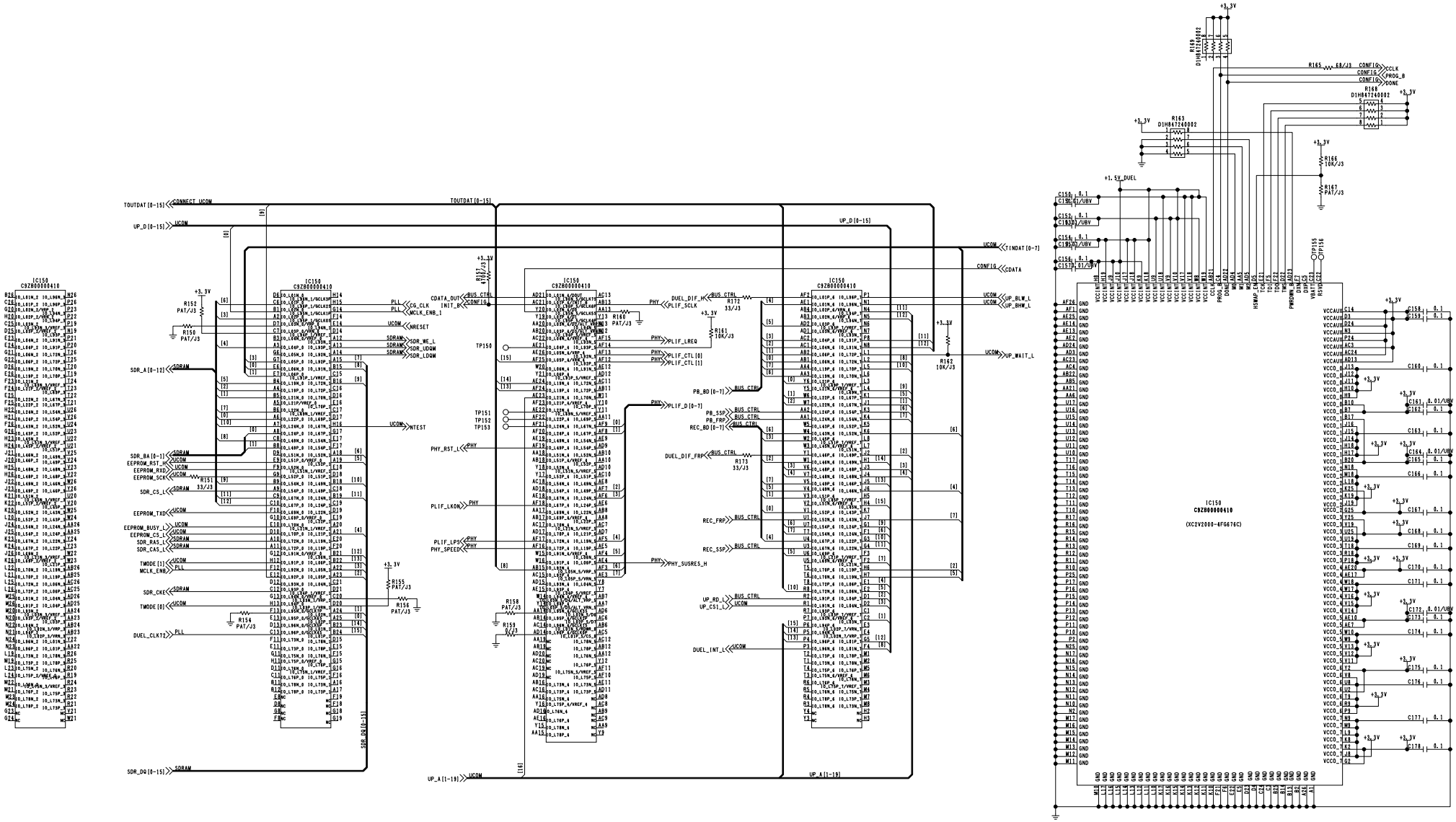

P1
K1KAA0A00055
P2
VJS3791D020
P3
WLW-1-8
P4
WLW-1-2
IC1
C0CBAAD00023
(XC6203P252PR)
IC2
C0EBE0000209
(R3112N271A-TR)
IC3
C0CBAAD00008
(XC6203P182PR)
IC4
C0CBAAD00008
(XC6203P182PR)
IC5
C0CBAAG00019
(LT1963EST-1.5#TR)
IC6
C0DBAHC00028
(LTC1844ES5-BYP#TR)
L1
J0JKC0000007
(VLP0183)
L3
J0JKC0000007
(VLP0183)
Q1
B1DHCC000017
(HAT1033T-EL)
QR1
UNR521400L
R1 10K/J3
R2 10K/J3
R3 150/J3
R4 D1H84704A008
R5 D1H84704A008
R6 D1H84704A008
R7 47/J3
R8 D1H810240001
R9 D1H847240002
R10 D1H847240002
R11 0/J3
R12 D1H810240001
R15 1000/RE7
R16 750/RE7
TG1 EYF6CU
TG2 EYF6CU
+2.5V_ACTEL
+1.8V_SPARTAN
+1.5V_DUEL
+3.3V_PLL
+2.9V_PLL
+3.3V_ACTEL
+1.8V_COMP
+3.3V
COMP100
TD_END
TD_FLT
TMS
TCK
TRST
FILTER
ALL
MOD0
MOD1
RTDACK
RTDTXD
FLSCK
RTDRXD
RTDCLK
PREP_COMP_SCK (CPU_BUSY)
FL_RXD
FL_TXD
FL_CN_FP
FL_CN_RESET
UCOM_CONNECT
DSW1 (FP)
DSW2 (19200)
DSW3 (MODD)
DSW4 (MODI)
RTDACK
RTDTxD
+5V
+3V
SCLK
RxD
TxD
INVALID_L
RTDRxD
RTDCLK
BUSY
RESET
GND
DUEL
TOUTDAT [0-15]
TOUT1
TOUT2
TOUT3
TOUT4
TOUT5
TOUT6
TOUT7
TOUT8
TCLK1
TCLK2
DP_ADR [0]
DP_ADR [1]
DP_ADR [2]
DP_ADR [3]
DP_ADR [4]
DP_ADR [5]
DP_ADR [6]
DP_ADR [7]
DP_ADR [8]
DP_ADR [9]
DP_ADR [10]
DP_DATA [0]
DP_DATA [1]
DP_DATA [2]
DP_DATA [3]
DP_DATA [4]
DP_DATA [5]
DP_DATA [6]
DP_DATA [7]
DPRAM_CS
DPRAM_RD
DPRAM_WR
DPRAM_BUSY
DIF_AVDV_INT
AVDV_DIF_INT
OUT_FRM
CAN_TX_1394
CAN_RX_1394
SYS_SSP
SYS_FRP
SYS_FEND
RESET
TP1
TP2
TP3
TP4
TP5
FS64
1394_A [0-3]
1394_B [0-3]
1394_C [0-3]
1394_D [0-3]
MUX_BUS [0]
MUX_BUS [1]
MUX_BUS [2]
MUX_BUS [3]
MUX_BUS [4]
MUX_BUS [5]
MUX_BUS [6]
MUX_BUS [7]
MUX_BUS [8]
MUX_BUS [9]
MUX_BUS [10]
MUX_BUS [11]
MUX_BUS [12]
MUX_BUS [13]
MUX_BUS [14]
MUX_BUS [15]
AUDIO [0]
AUDIO [1]
FS64_APROC
AUDIO_FRM
OUT_CLK18
RESERVE1
OUT_CLK27
RESERVE2
DIF_FRP
SD_OUT_FRM
1394_SSP
1394_FRP
1394_IN_CLK37
CLK36
SD_DATA [0]
SD_DATA [1]
SD_DATA [2]
SD_DATA [3]
SD_DATA [4]
SD_DATA [5]
SD_DATA [6]
SD_DATA [7]
PREP50
FRM36
+3.3V_C
+3.3V_B
+3.3V_A
INT_CLK27
PAT/UV
PAT/UBV
C0 0.1
C1 0.1
C4 0.1
C5 10U
C8 0.1
C10 0.1
C11 0.1
C12 10U
C13 10U
C14 100
C16 0.1
C17 0.1
C18 10U
C19 10U
C20 0.1
C21 0.1
C22 10U
C23 0.1
C24 0.1
C25 0.1
C26 10U
C27 0.1
C33 0.1
COMPONENT NAME
1394 IF
01/12
CIRCUIT BOARD NO.
VEP83651A
DRAWING NO.
KR 3A0181(1/12)
SCM105



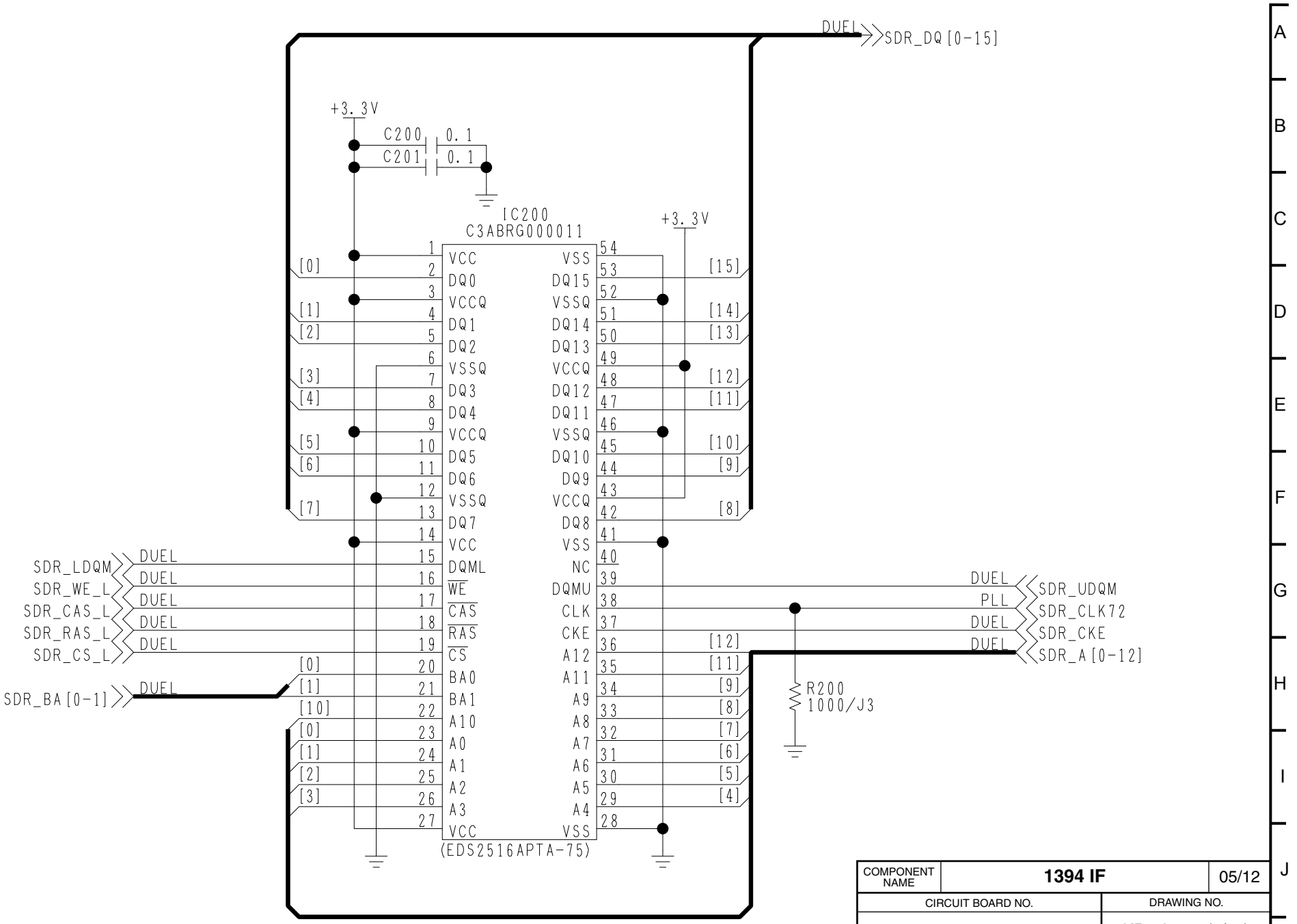
COMPONENT NAME	1394 IF	02/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(2/12)
		SCM106



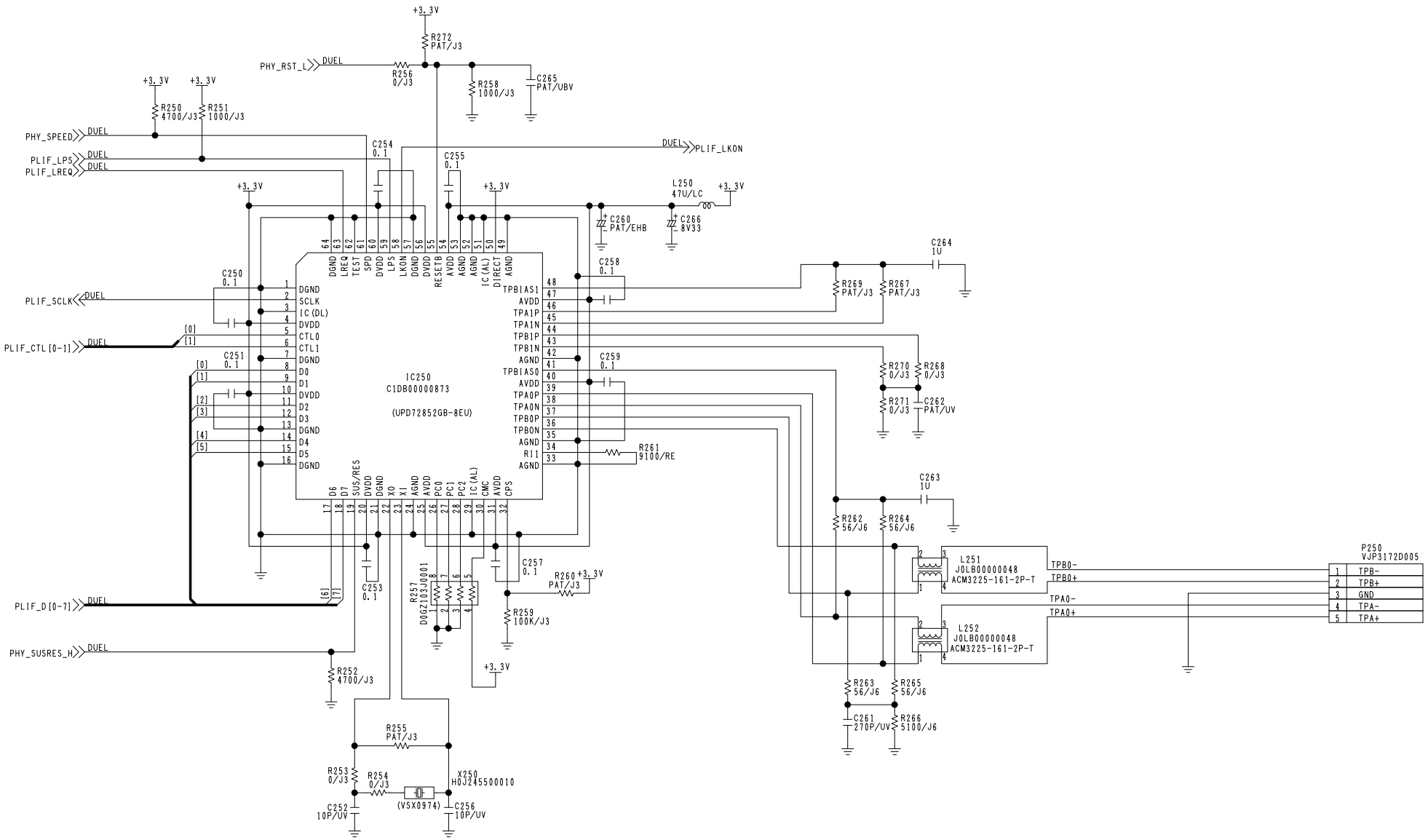
COMPONENT NAME	1394 IF	03/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(3/12)
		SCM107



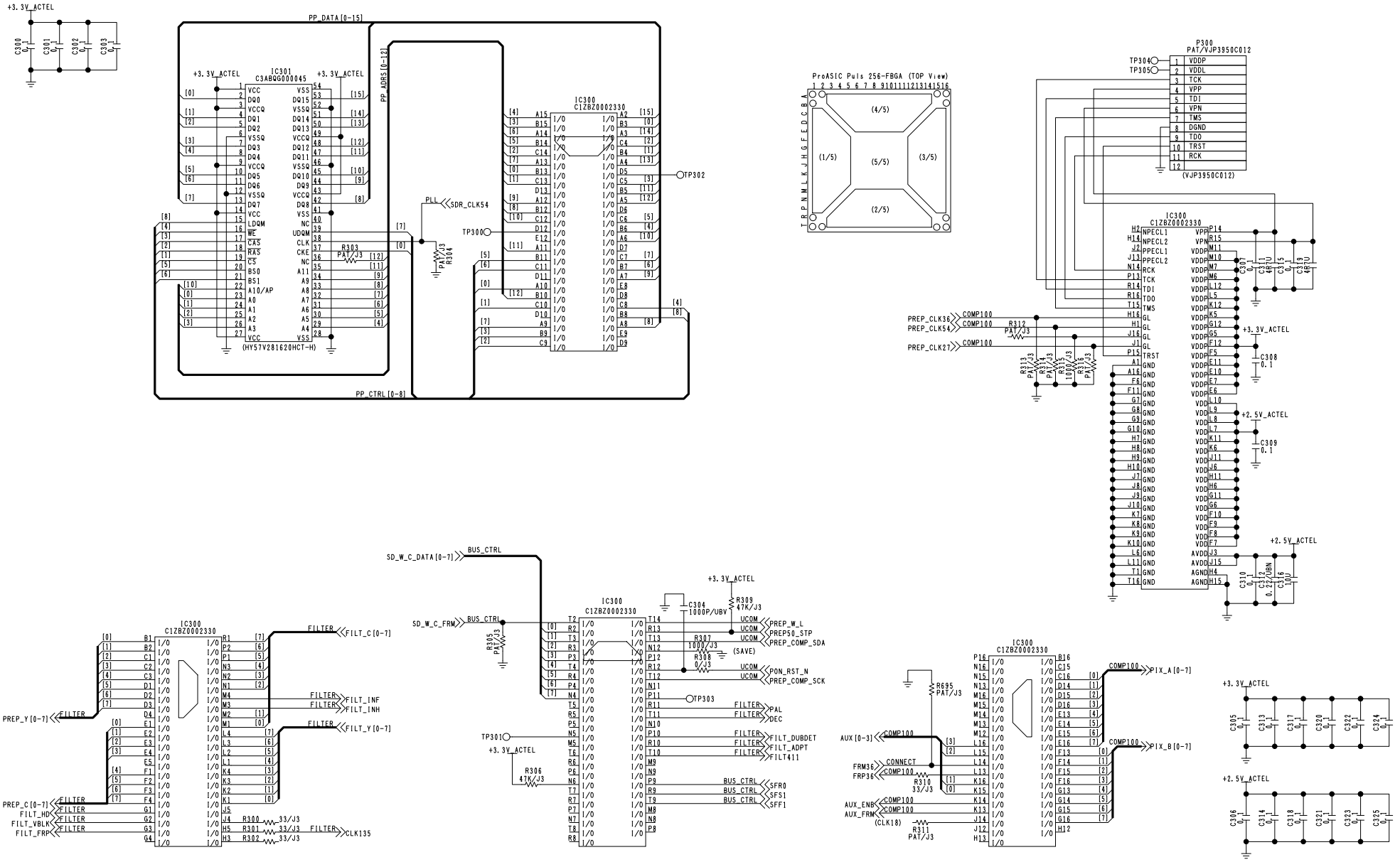
COMPONENT NAME	1394 IF	04/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(4/12)
		SCM108



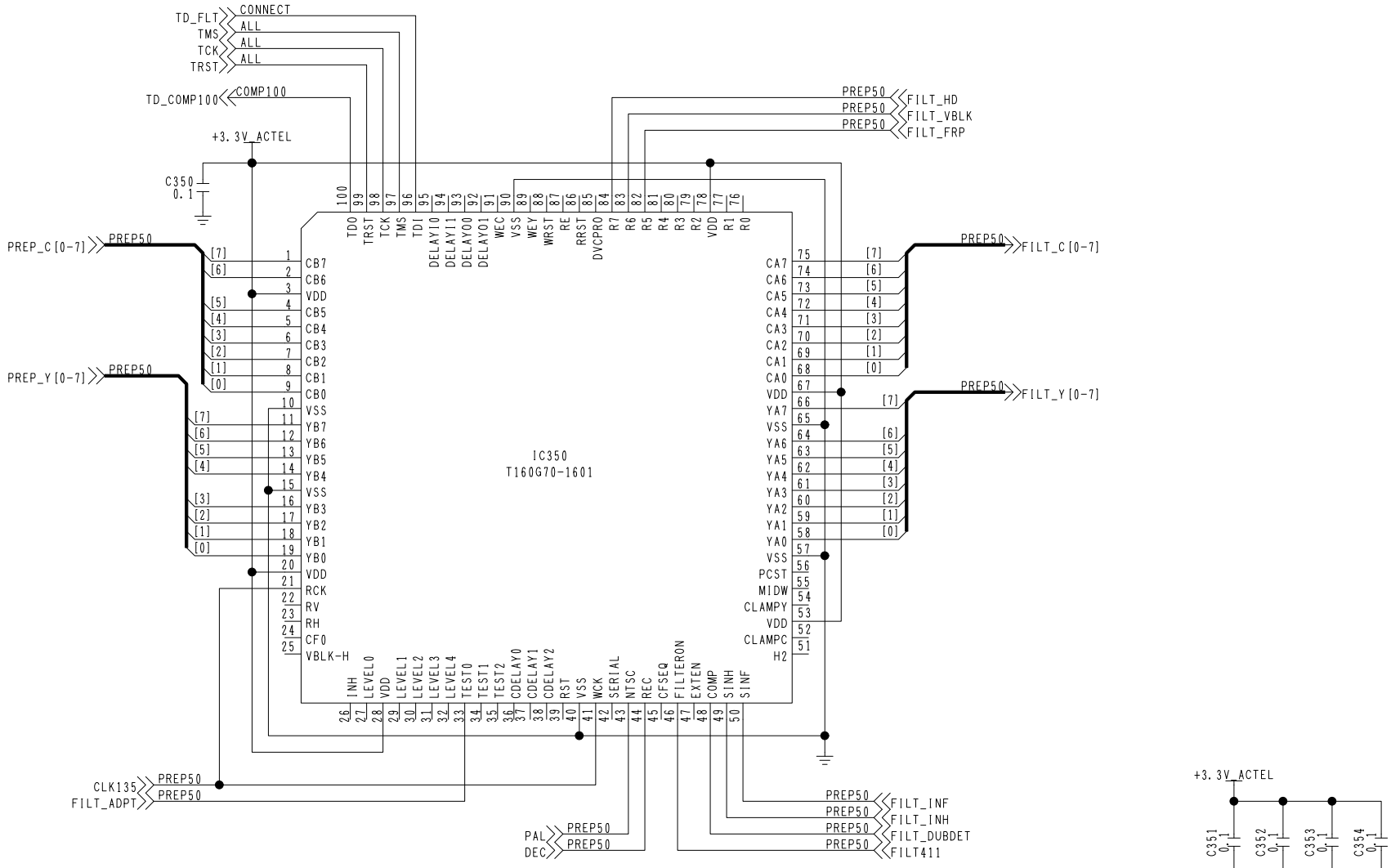
COMPONENT NAME	**1394 IF**	05/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(5/12)
		SCM109



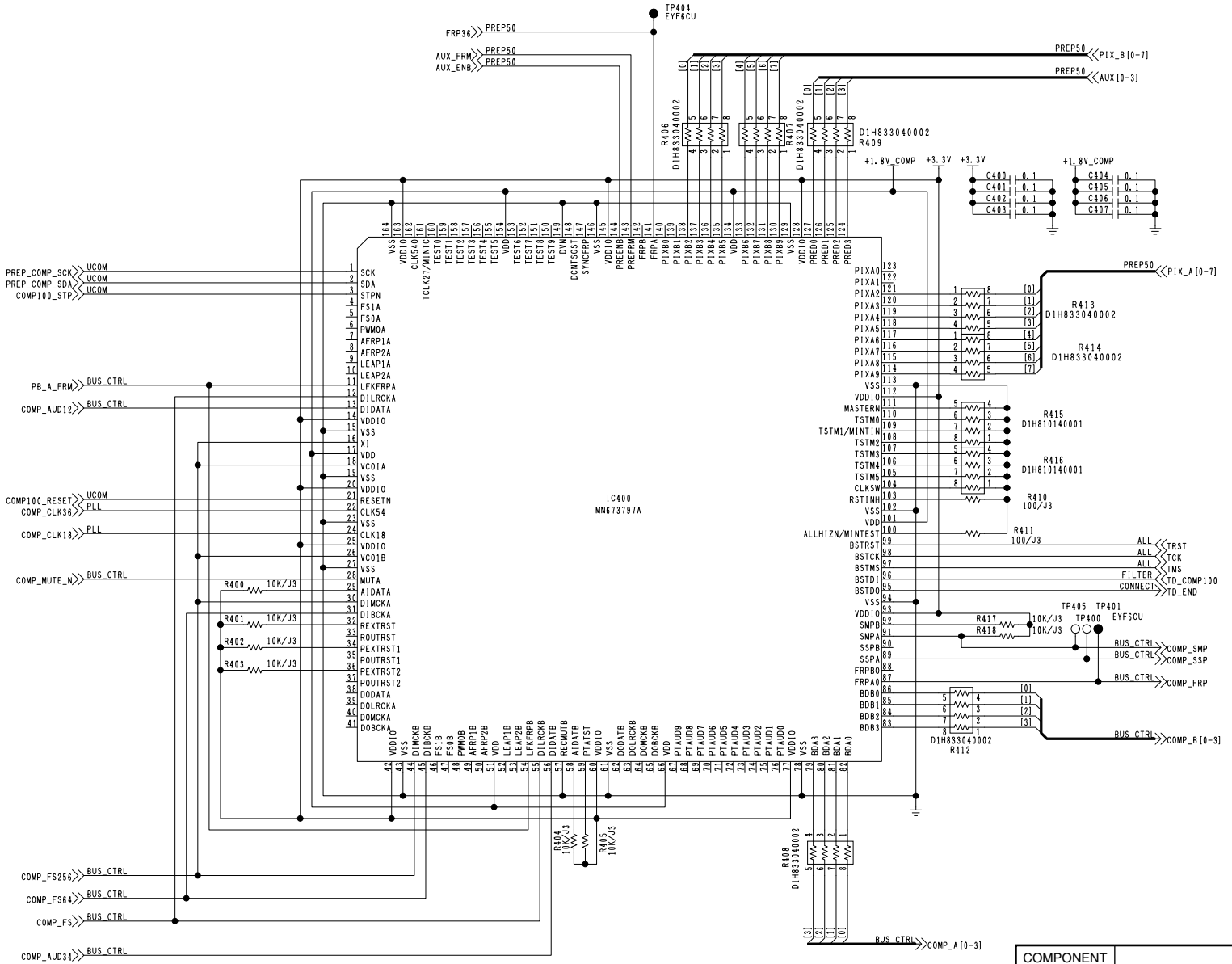
COMPONENT NAME	1394 IF	06/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(6/12)
		SCM110



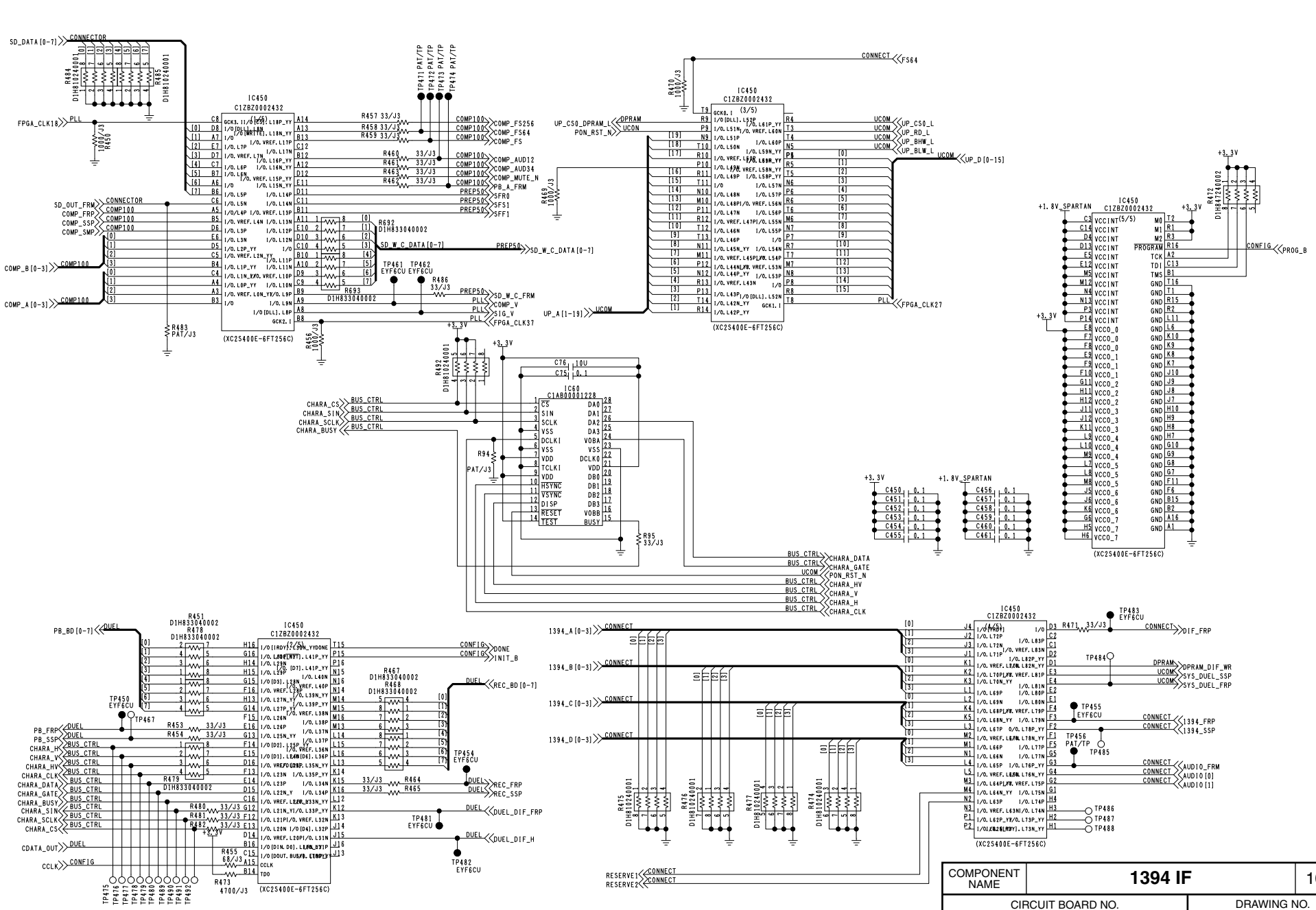
COMPONENT NAME	1394 IF	07/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(7/12)
		SCM111



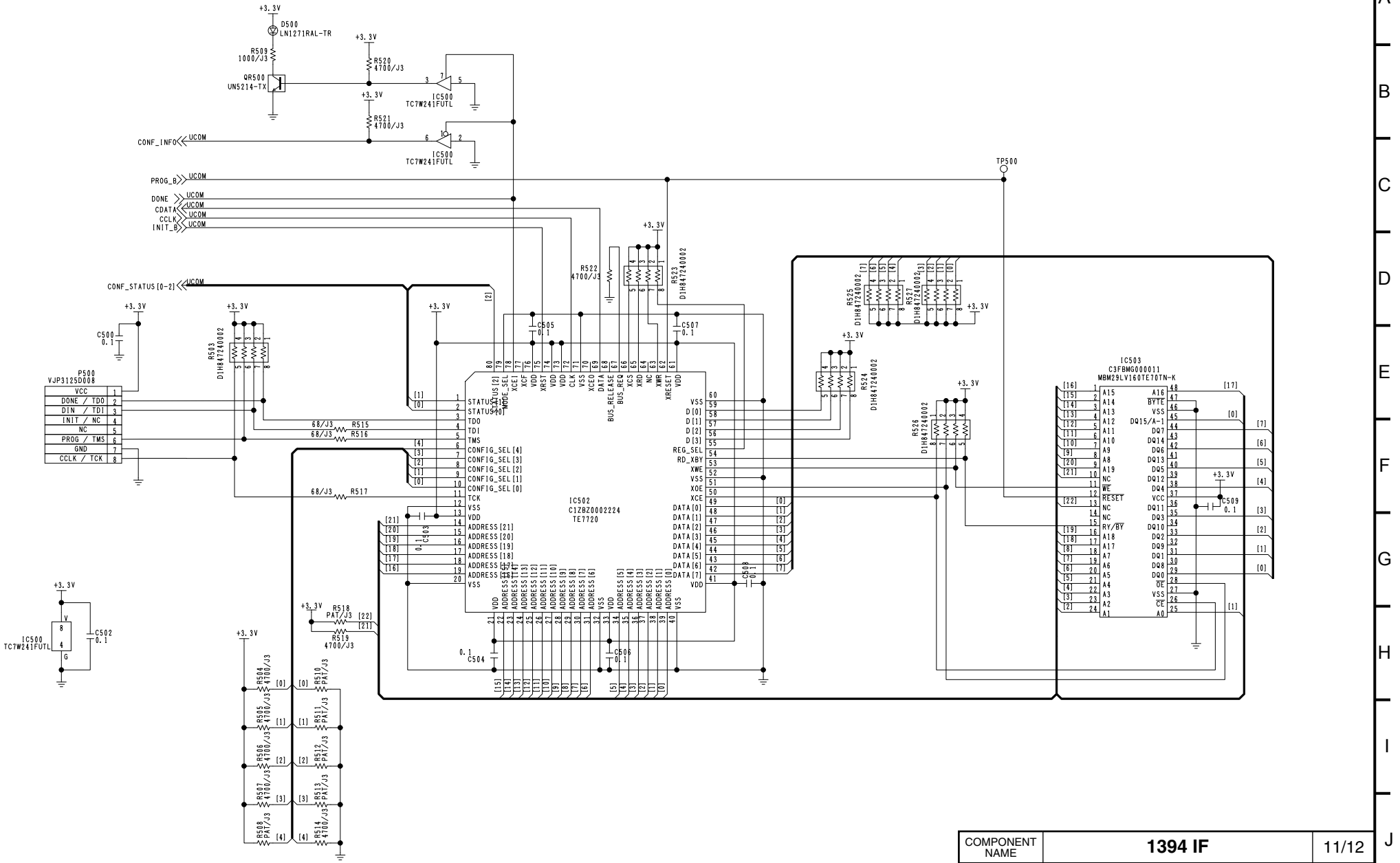
COMPONENT NAME	**1394 IF**	08/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(8/12)
		SCM112



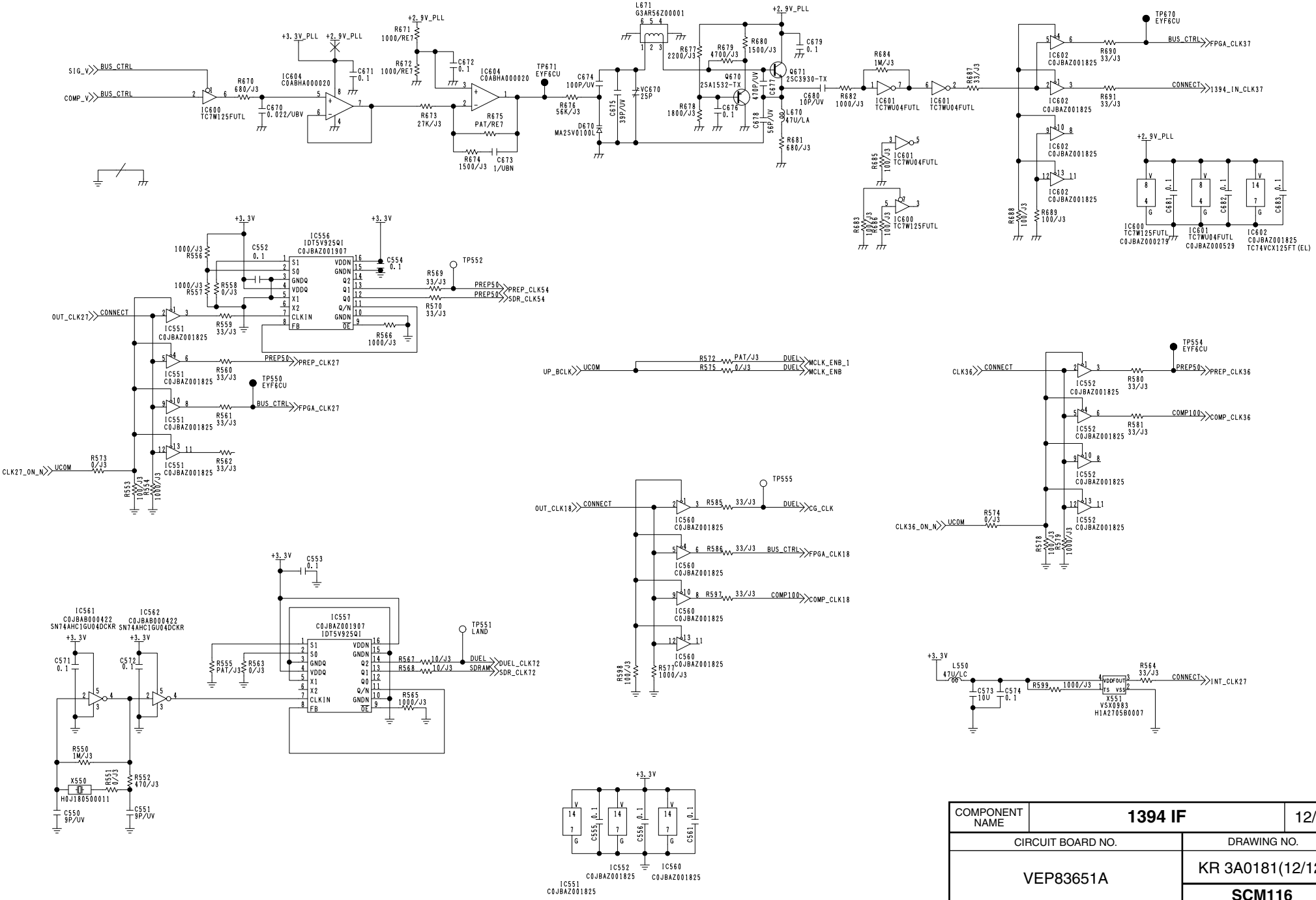
COMPONENT NAME	1394 IF	09/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(9/12)
		SCM113



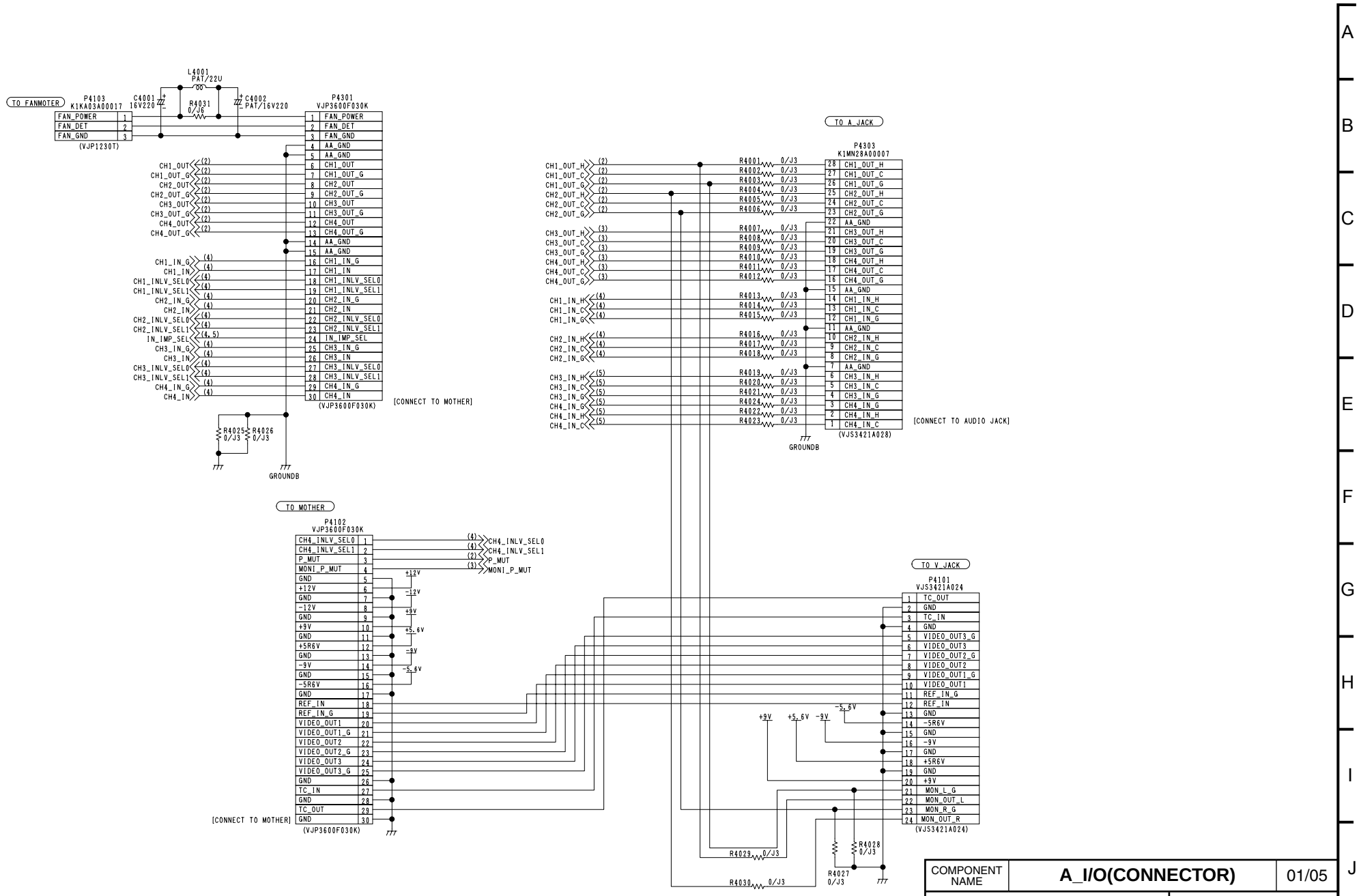
COMPONENT NAME	1394 IF	10/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(10/12)
		SCM114



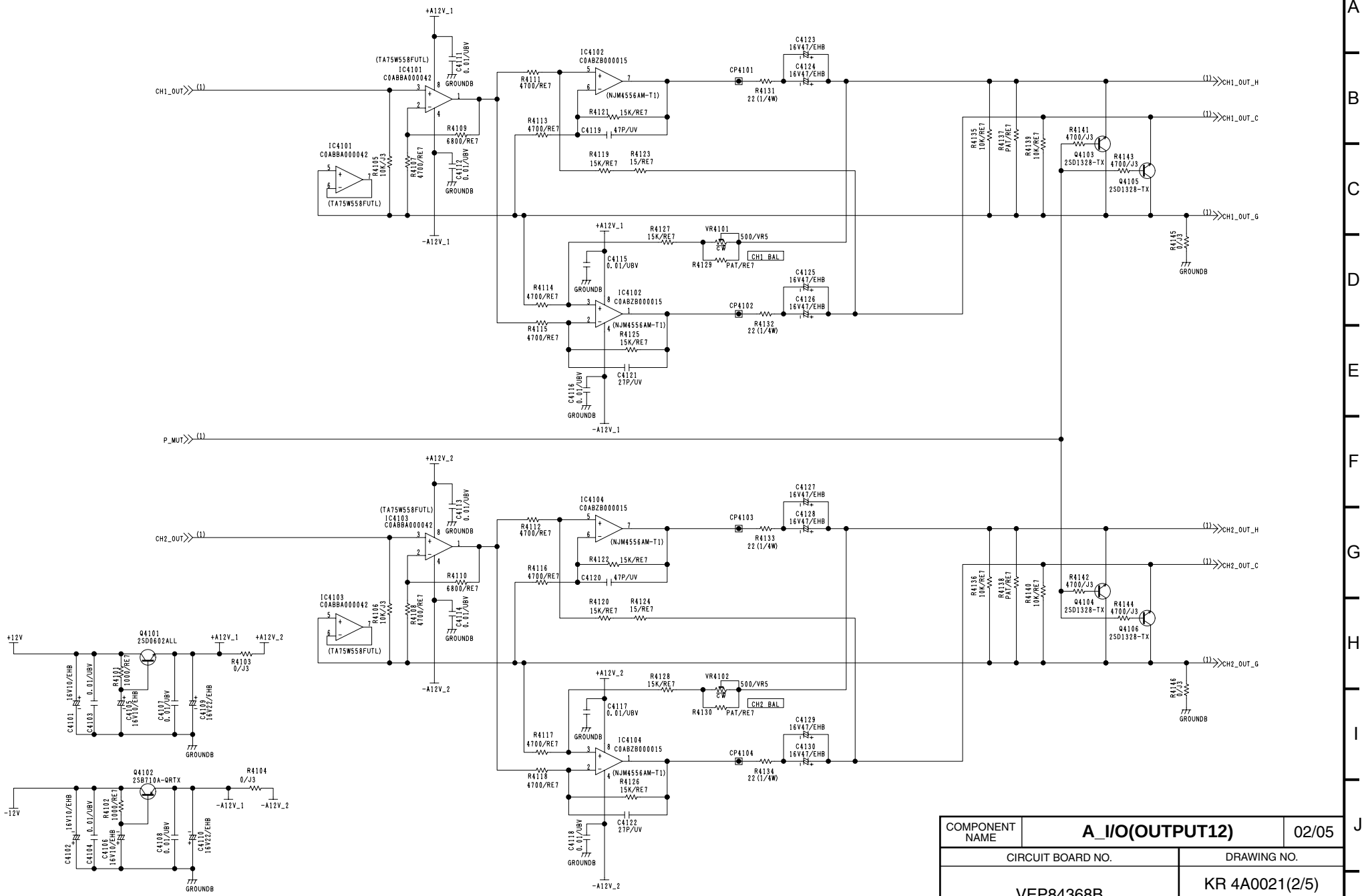
COMPONENT NAME	1394 IF	11/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(11/12)
		SCM115



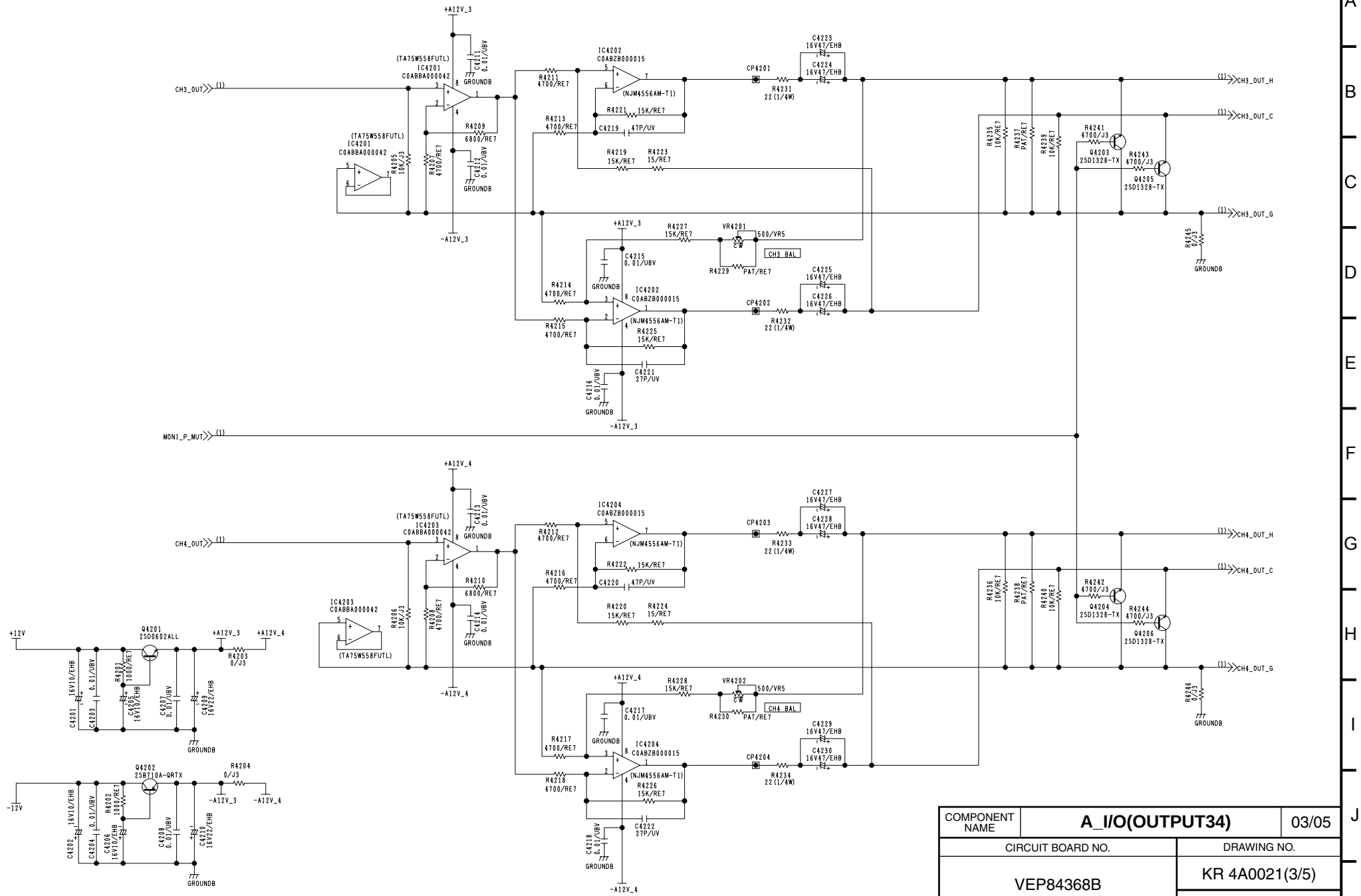
COMPONENT NAME	1394 IF	12/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP83651A		KR 3A0181(12/12)
		SCM116



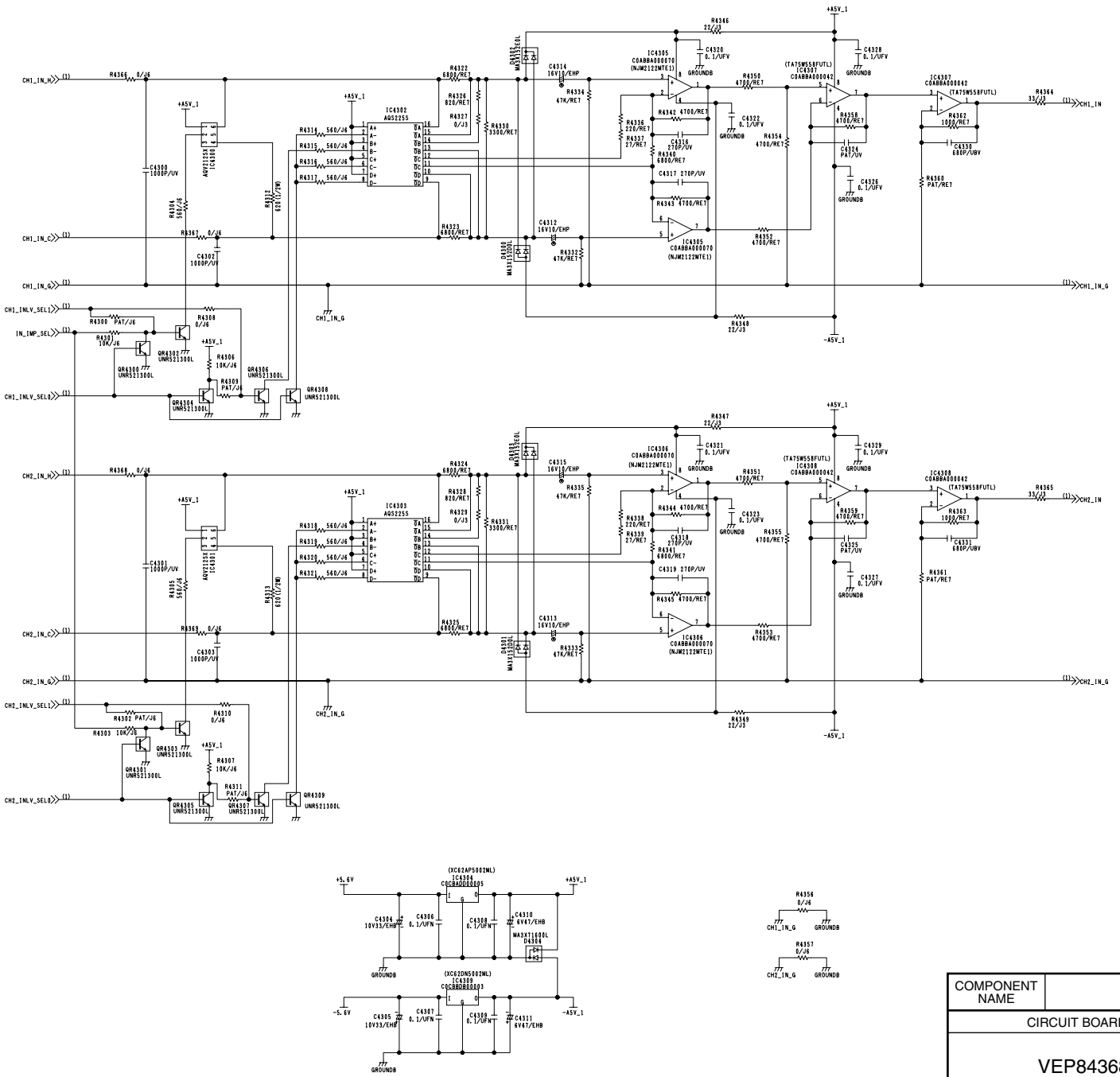
COMPONENT NAME	A_I/O(CONNECTOR)	01/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84368B		KR 4A0021(1/5)
		SCM059



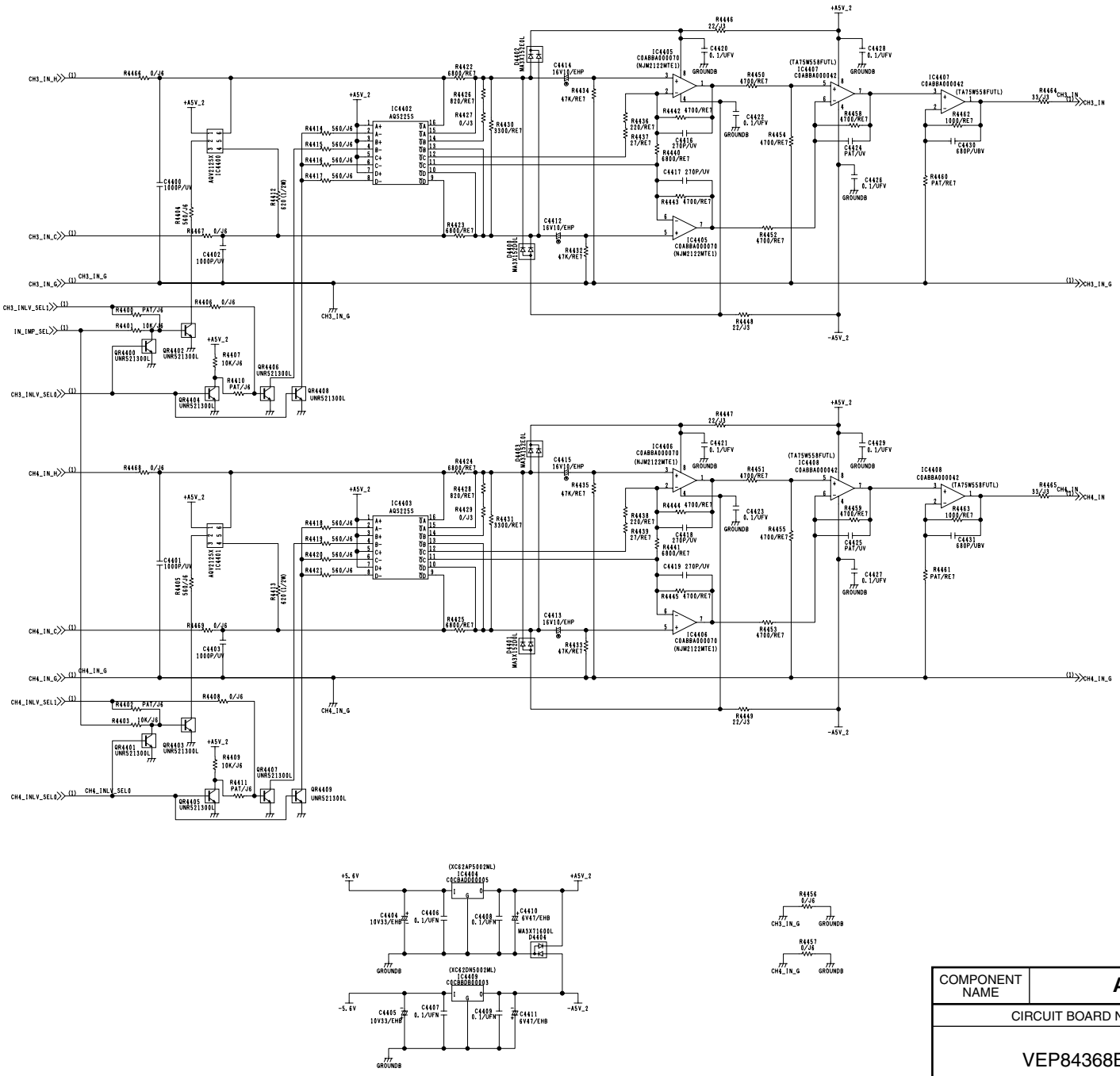
COMPONENT NAME	**A_I/O(OUTPUT12)**	02/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84368B	KR 4A0021(2/5)	
	SCM060	



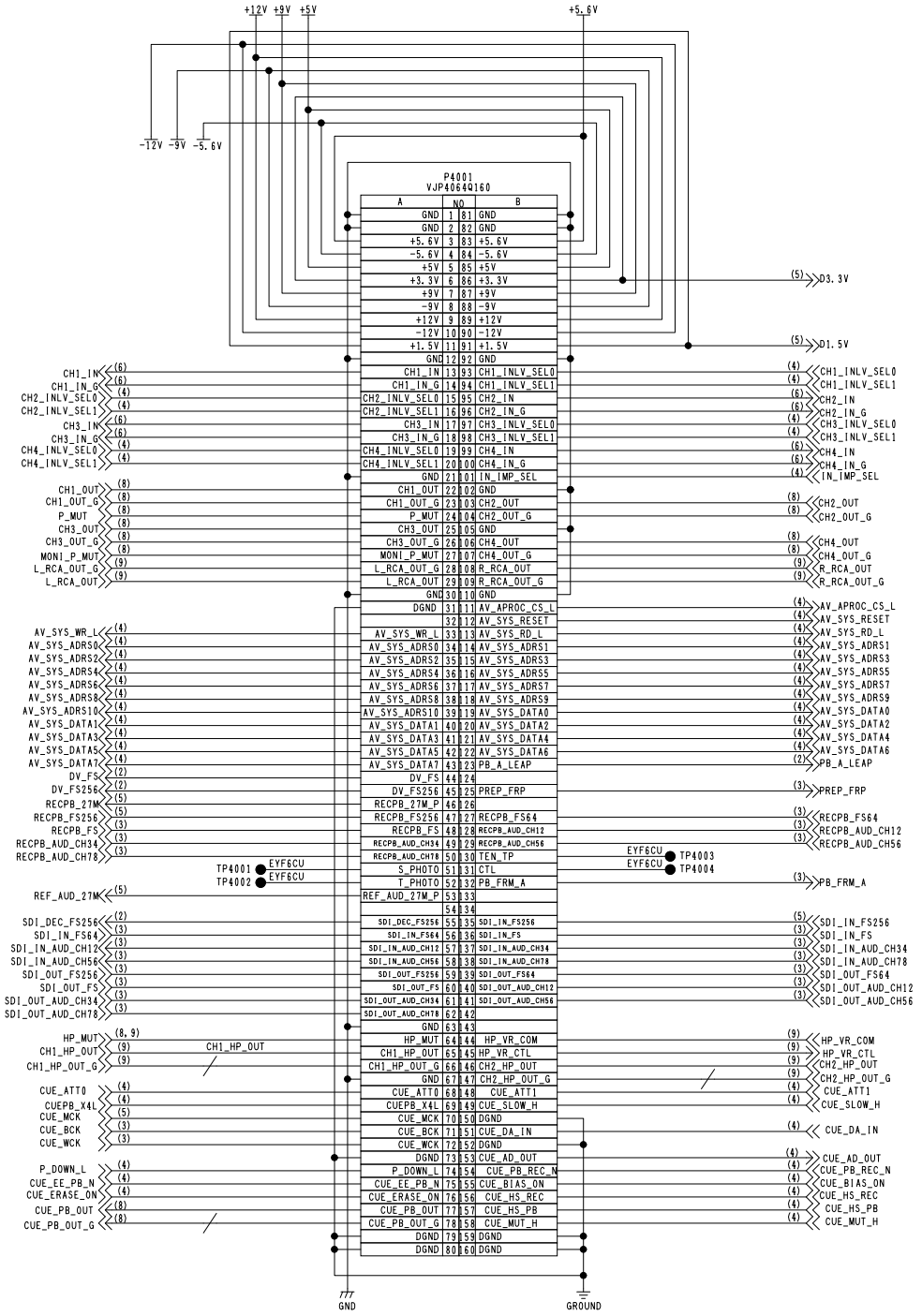
COMPONENT NAME	**A_I/O(OUTPUT34)**	03/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84368B		KR 4A0021(3/5)
		SCM061



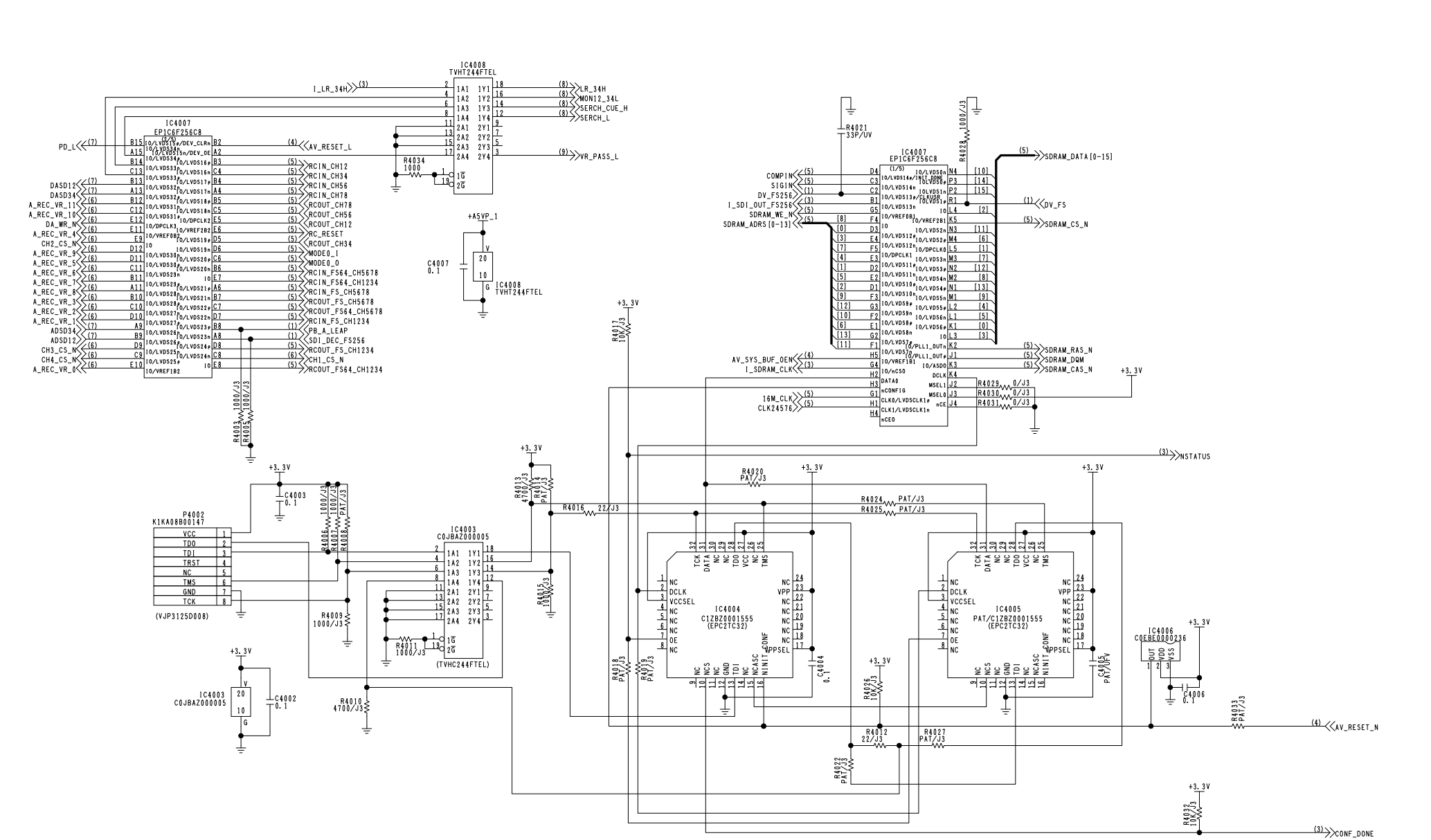
COMPONENT NAME	A_I/O(INPUT12)	04/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84368B		KR 4A0021(4/5)
		SCM062



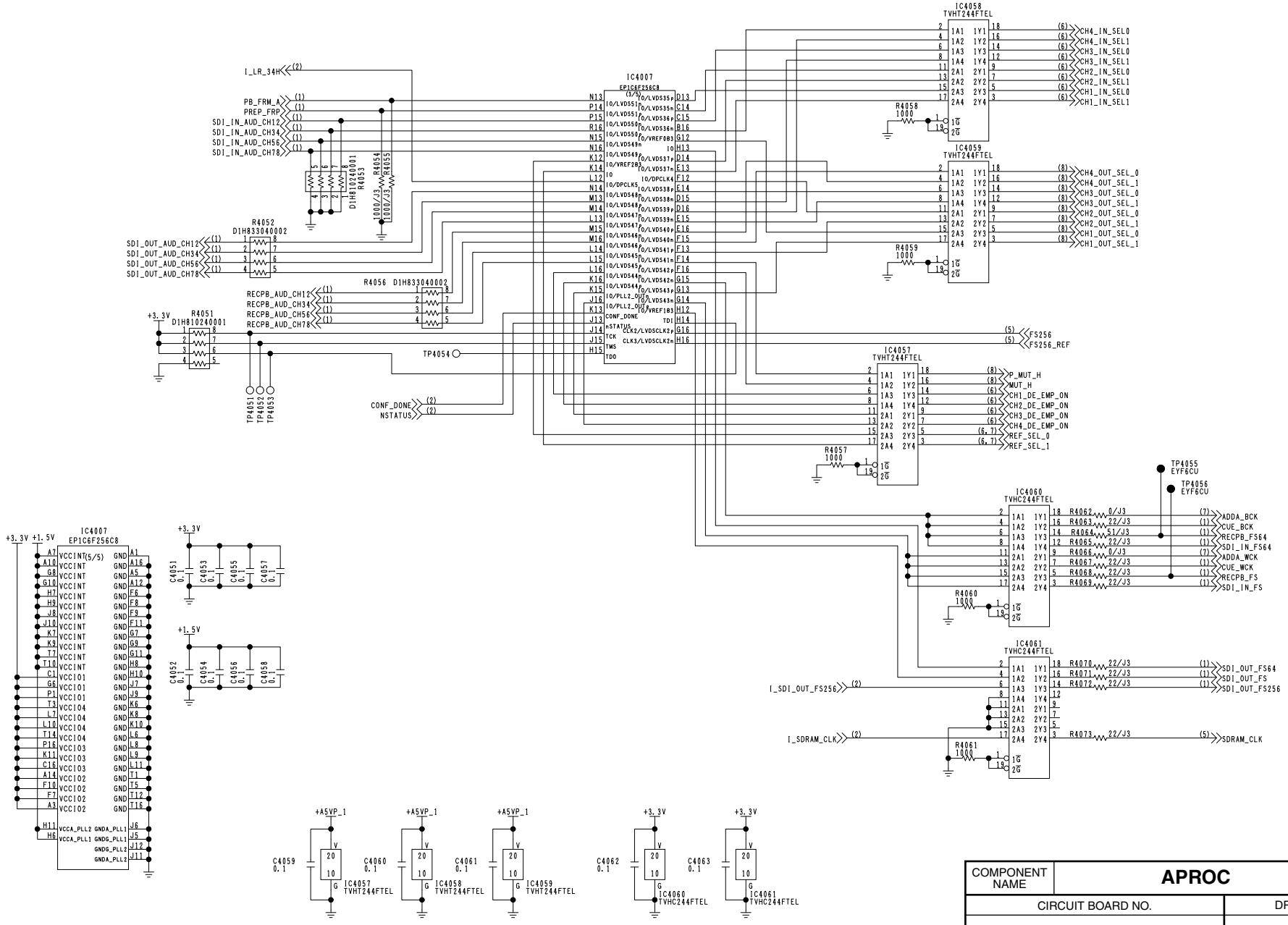
COMPONENT NAME	**A_I/O(INPUT34)**	05/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84368B		KR 4A0021(5/5)
		SCM063



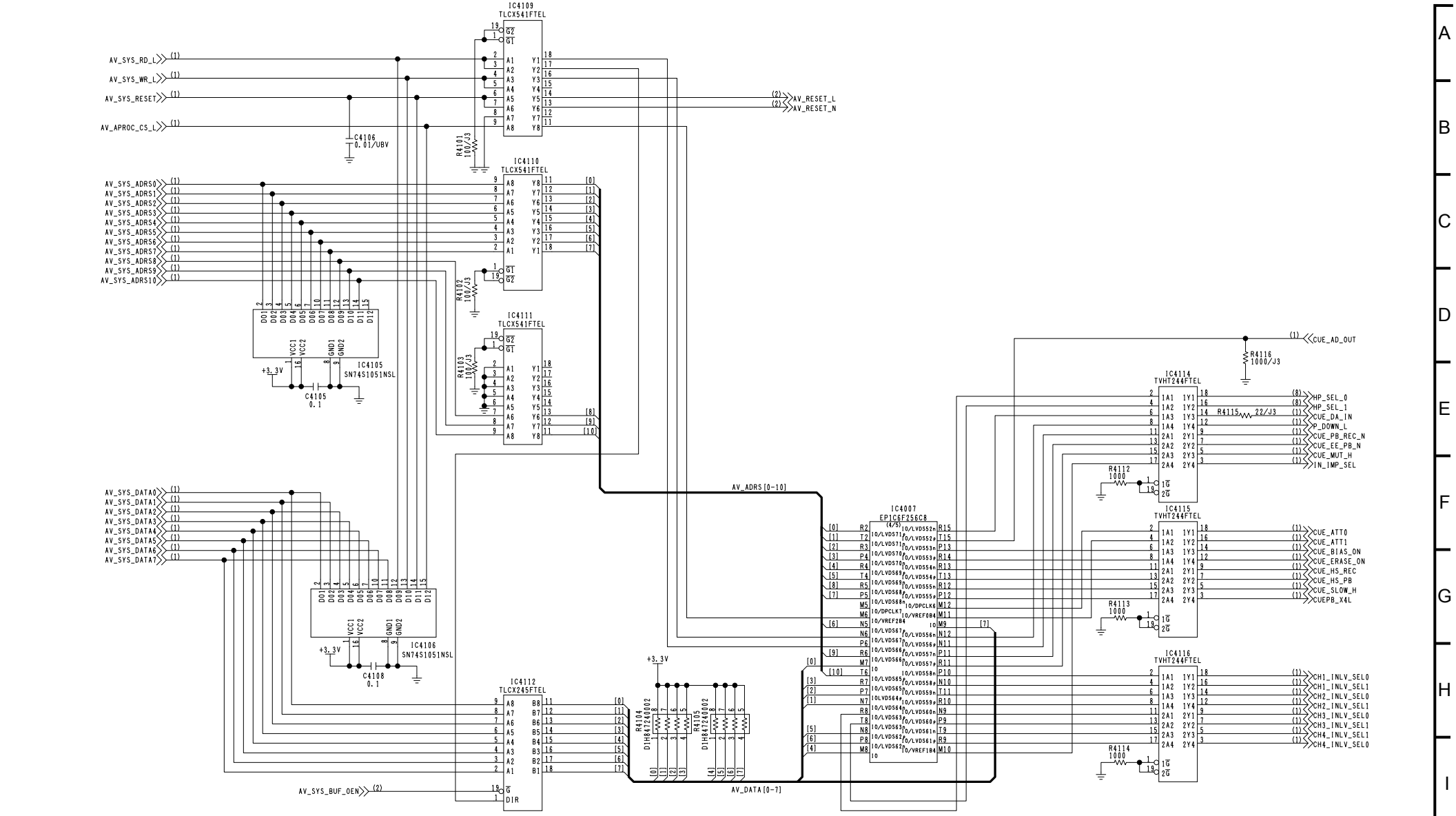
COMPONENT NAME	**APROC**	01/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(1/9)
		SCM018



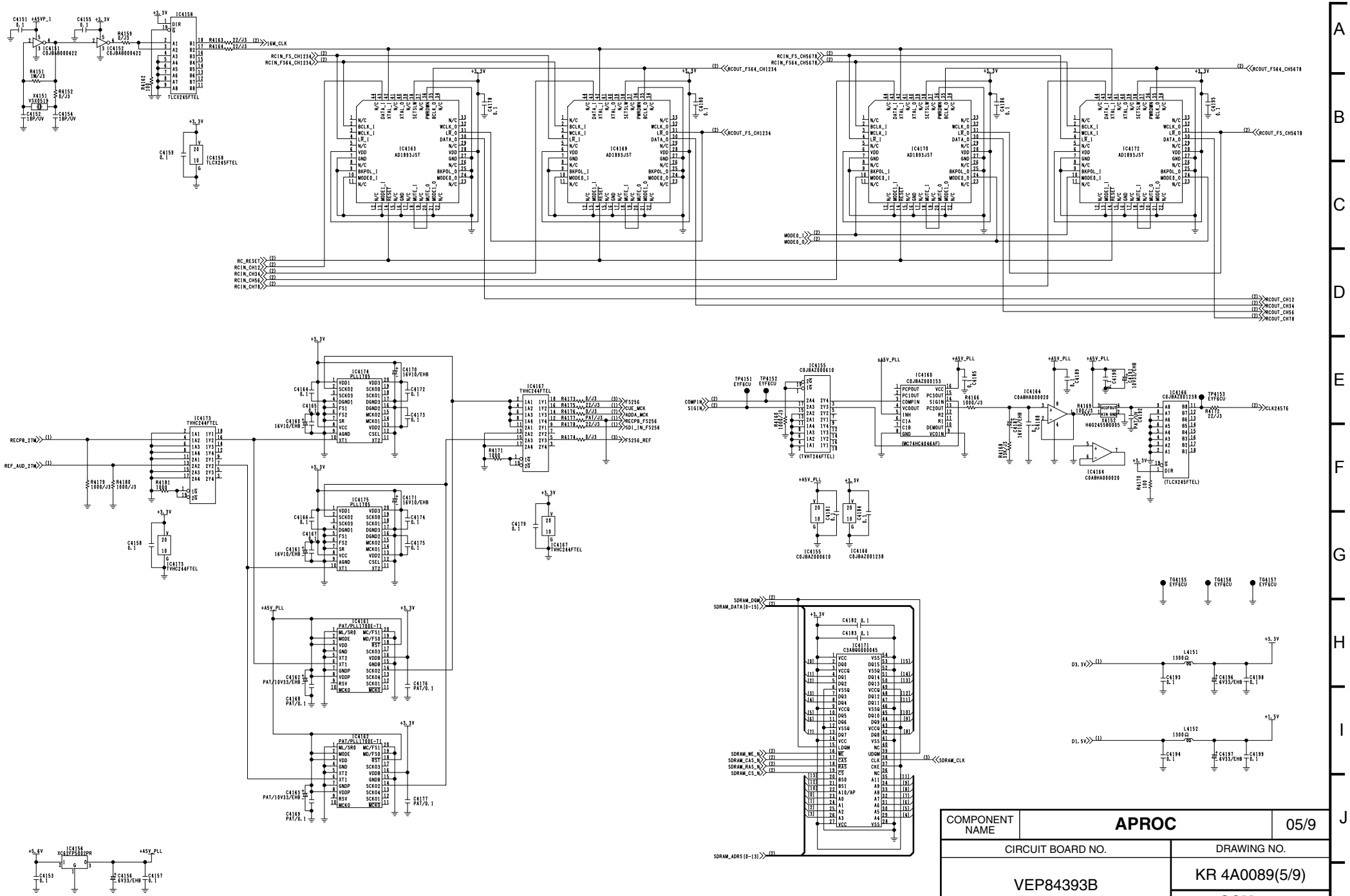
COMPONENT NAME	APROC	02/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(2/9)
		SCM019



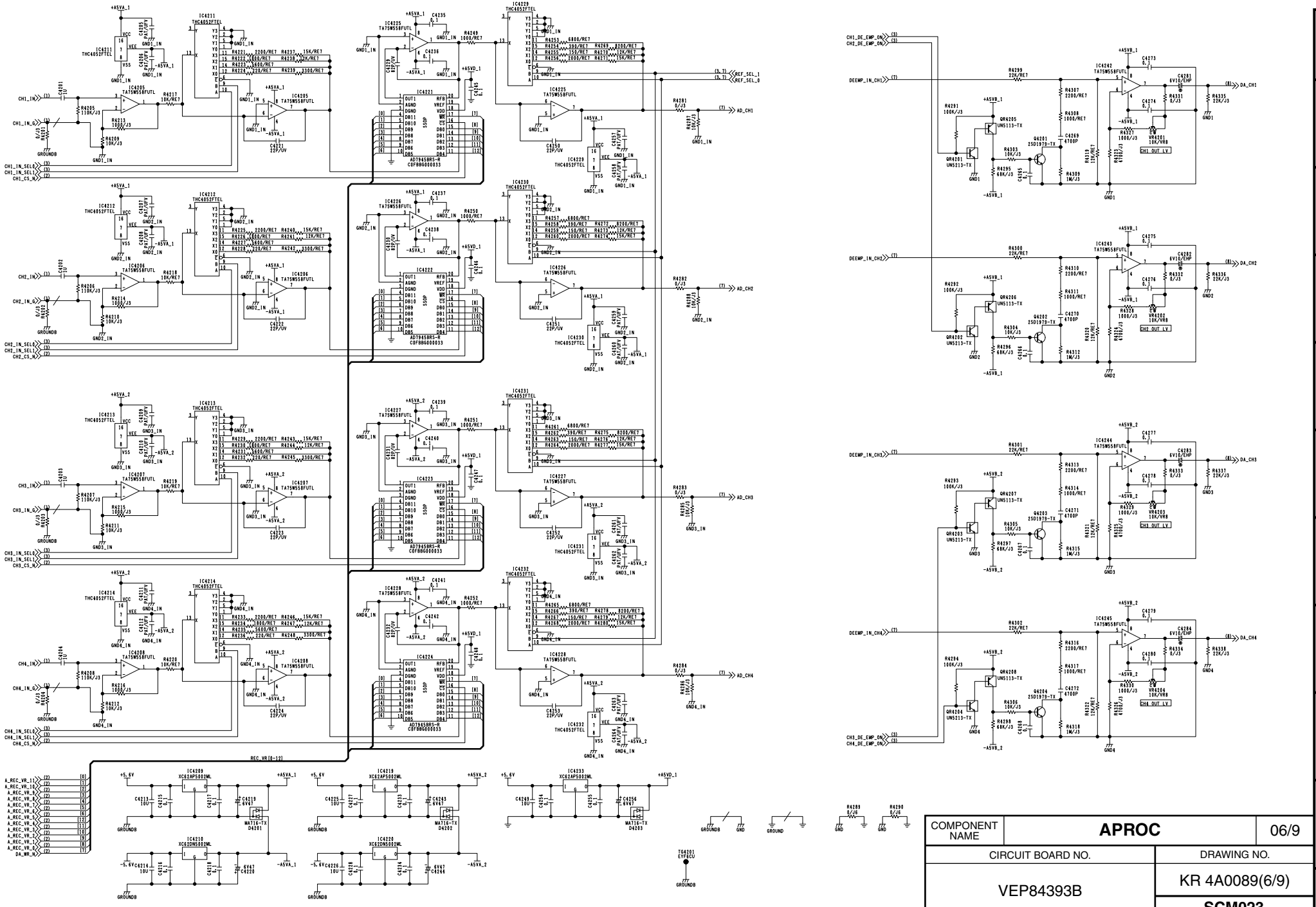
COMPONENT NAME	**APROC**	03/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(3/9)
		SCM020



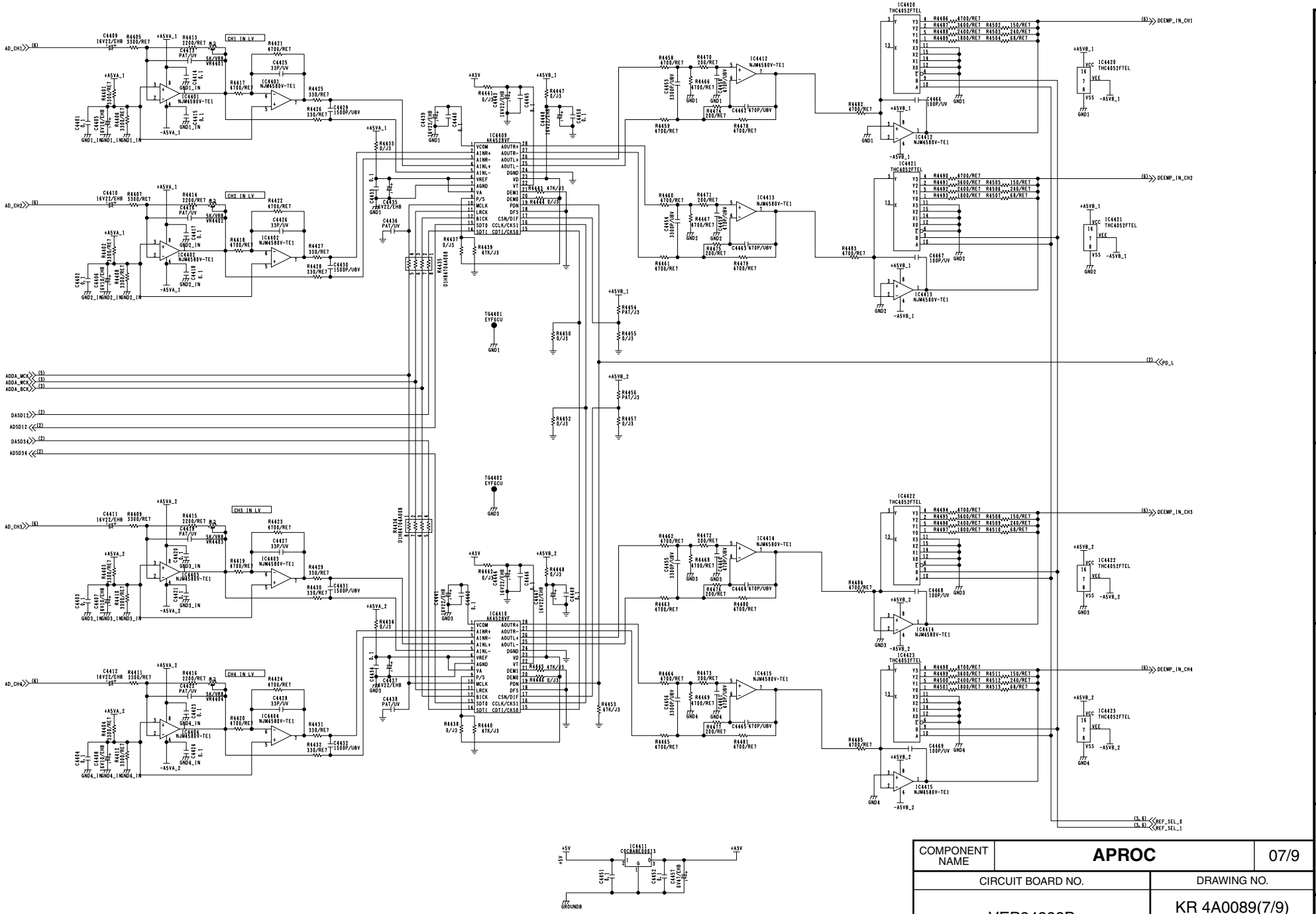
COMPONENT NAME	**APROC**	04/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(4/9)
		SCM021



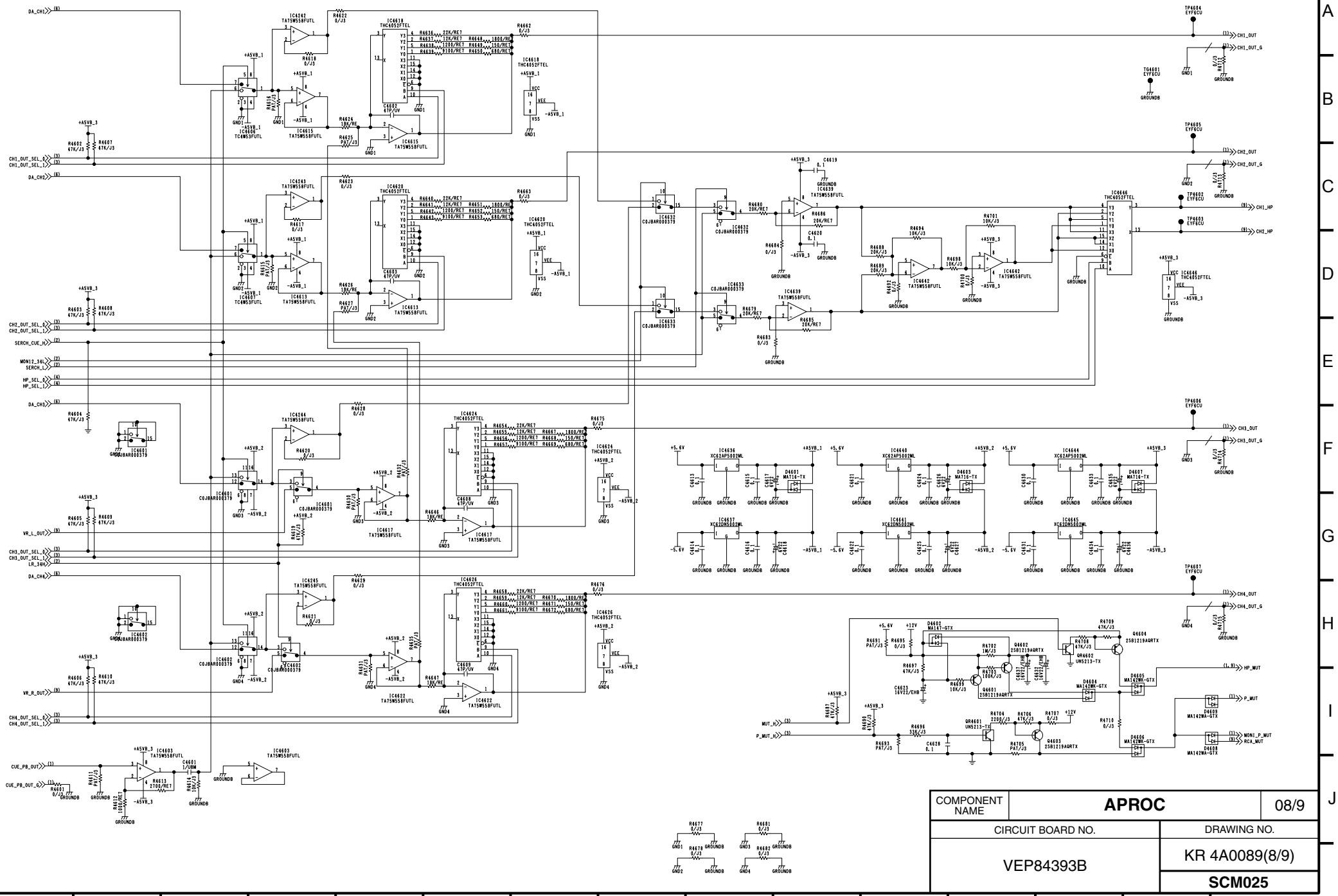
COMPONENT NAME	**APROC**	05/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(5/9)
		SCM022



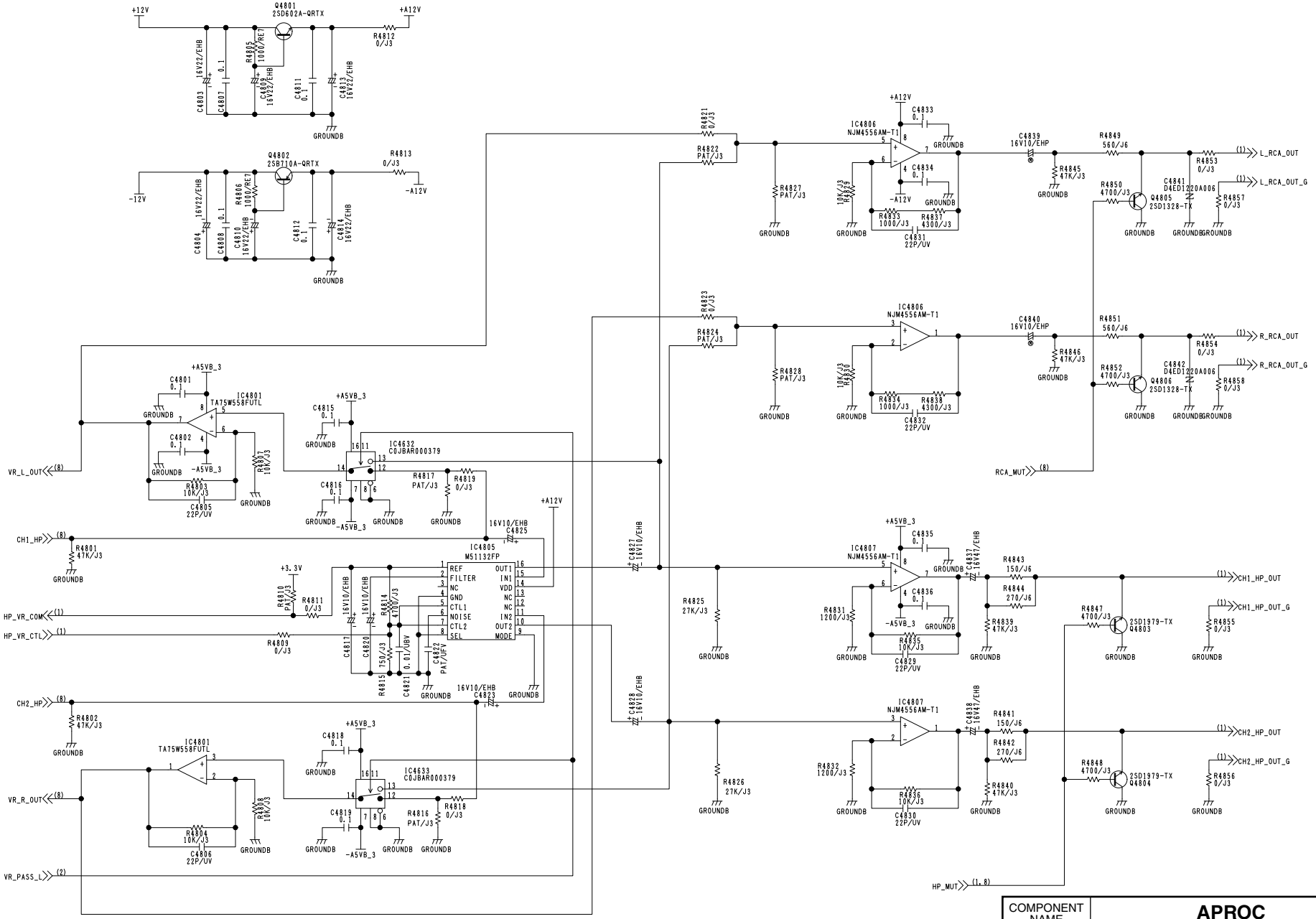
COMPONENT NAME	**APROC**	06/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(6/9)
		SCM023



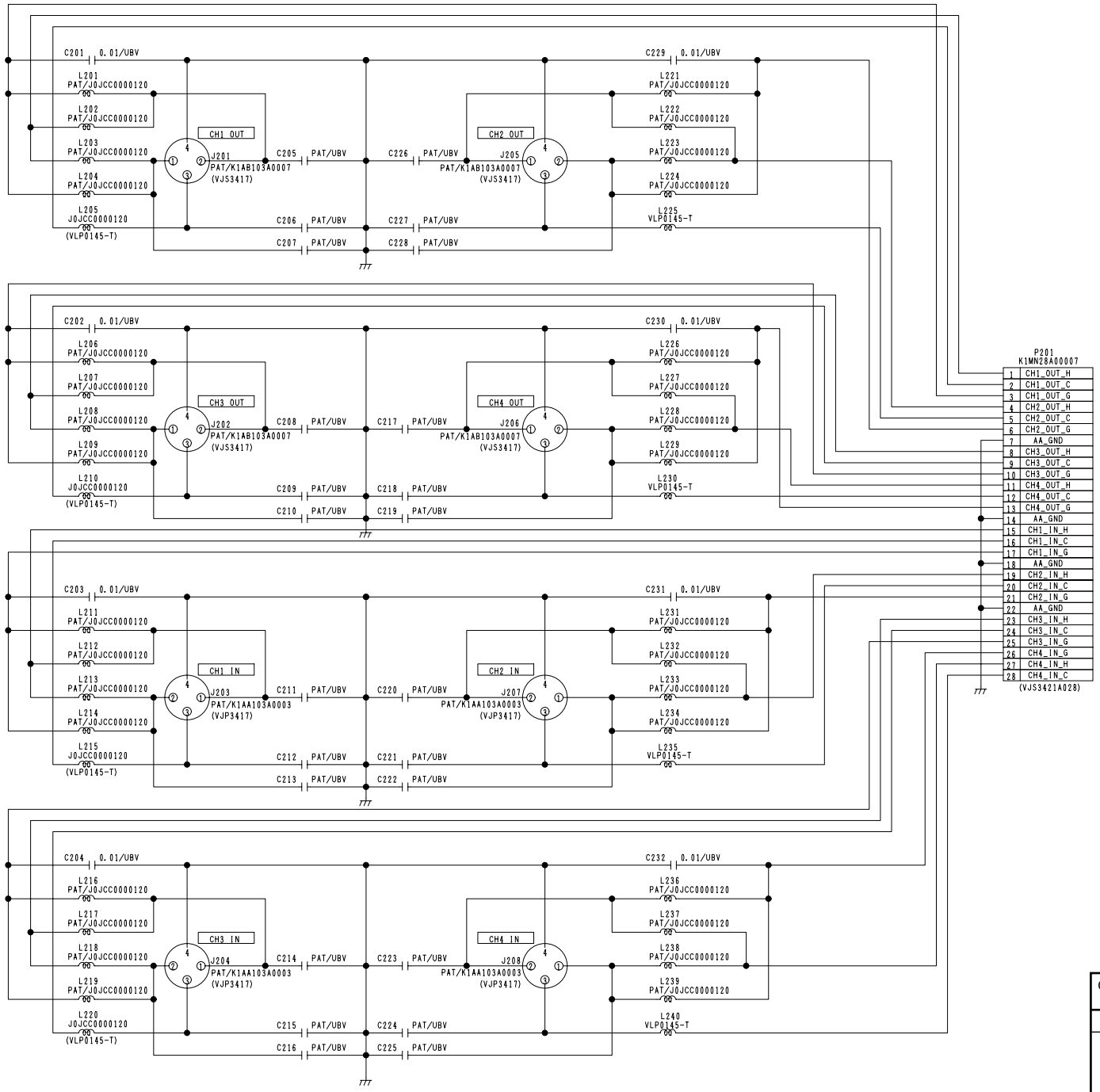
COMPONENT NAME	**APROC**	07/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(7/9)
		SCM024



COMPONENT NAME	**APROC**	08/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(8/9)
		SCM025

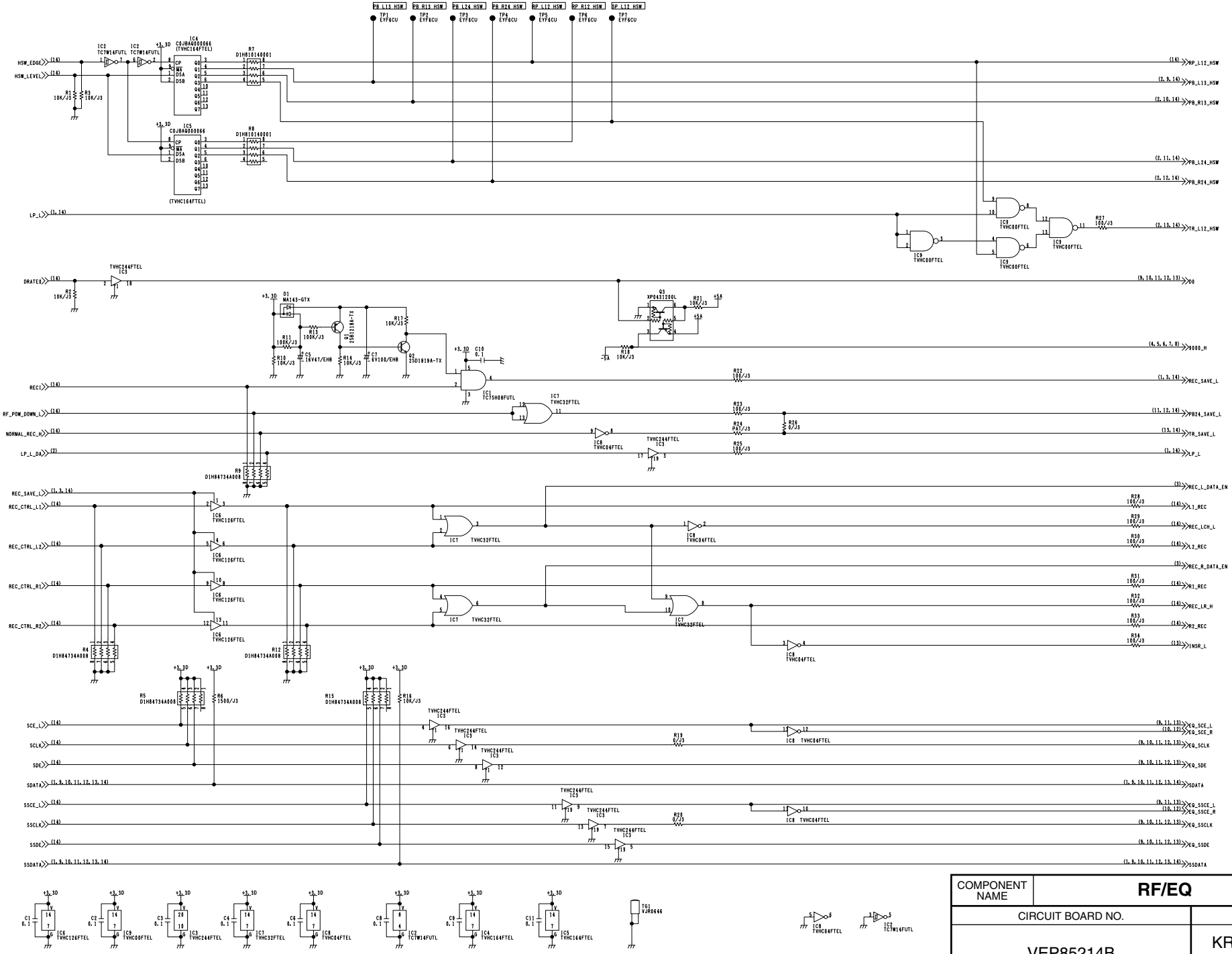


COMPONENT NAME	APROC	09/9
CIRCUIT BOARD NO.		DRAWING NO.
VEP84393B		KR 4A0089(9/9)
		SCM026

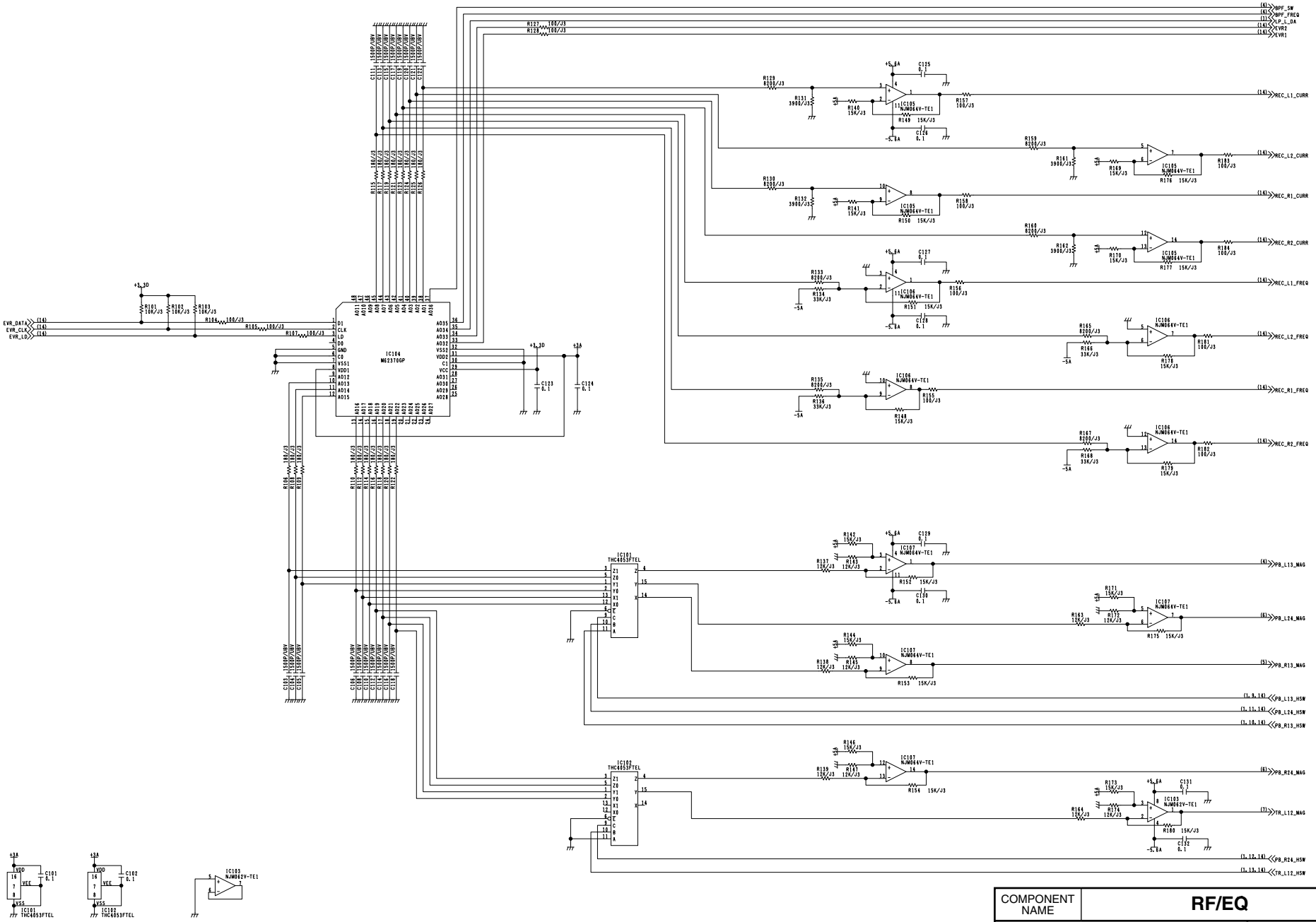


REF NO.	-T		remark
L201	PAT		CH1_OUT
L202	VLP0145-T		
L203	PAT		
L204	VLP0145-T		
L206	PAT		CH3_OUT
L207	VLP0145-T		
L208	PAT		
L209	VLP0145-T		
L211	VLP0145-T		CH1_IN
L212	PAT		
L213	VLP0145-T		
L214	PAT		
L216	VLP0145-T		CH3_IN
L217	PAT		
L218	VLP0145-T		
L219	PAT		
L221	VLP0145-T		CH2_OUT
L222	PAT		
L223	VLP0145-T		
L224	PAT		
L226	VLP0145-T		CH4_OUT
L227	PAT		
L228	VLP0145-T		
L229	PAT		
L231	PAT		CH2_IN
L232	VLP0145-T		
L233	PAT		
L234	VLP0145-T		
L236	PAT		CH4_IN
L237	VLP0145-T		
L238	PAT		
L239	VLP0145-T		
J201	VJS3417		CH1_OUT
J202	VJS3417		CH3_OUT
J203	VJP3417		CH1_IN
J204	VJP3417		CH3_IN
J205	VJS3417		CH2_OUT
J206	VJS3417		CH4_OUT
J207	VJP3417		CH2_IN
J208	VJP3417		CH4_IN

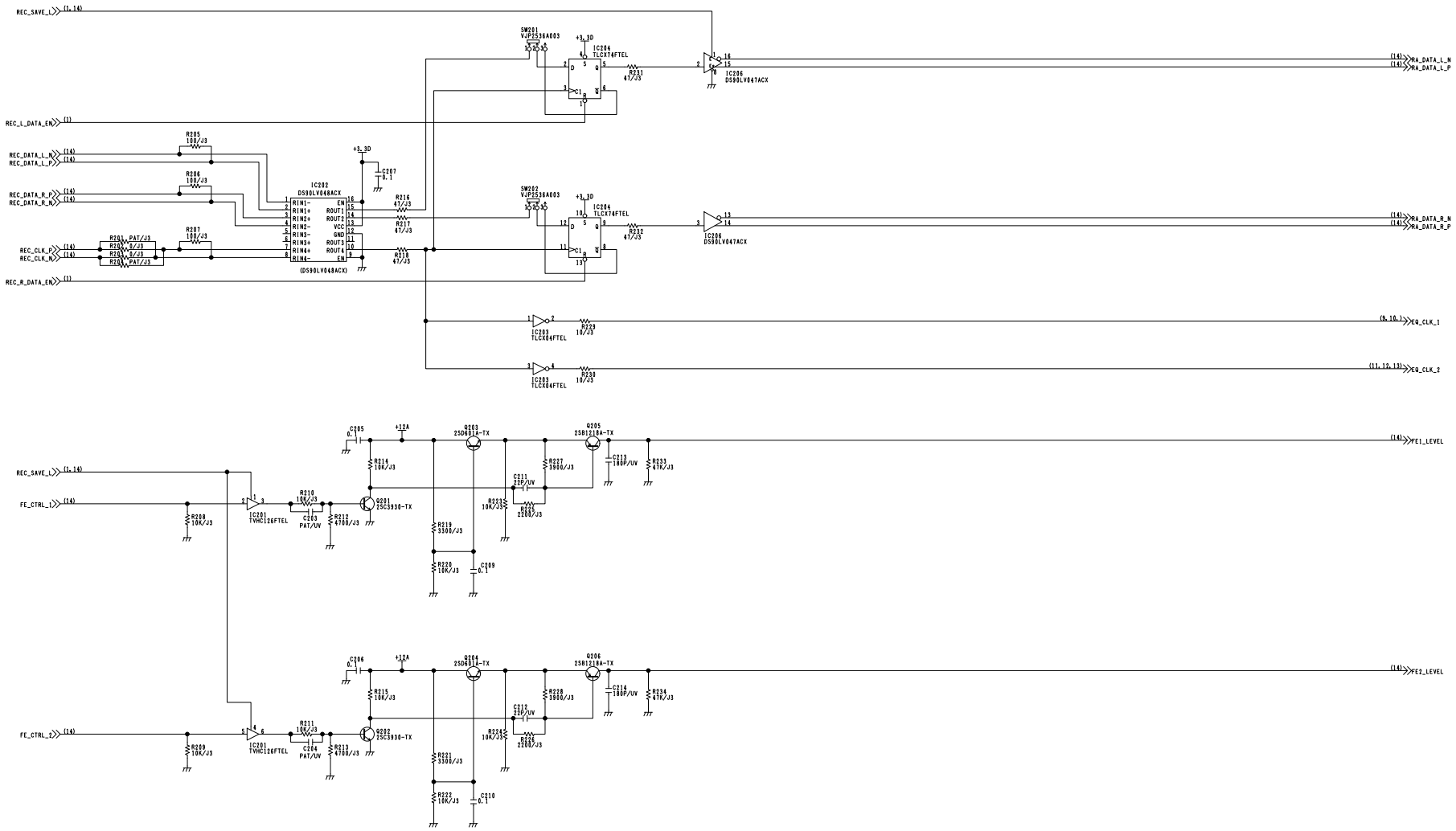
COMPONENT NAME	**A_JACK**	1/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP84394A		KR 4A0004(1/1)
		SCM103



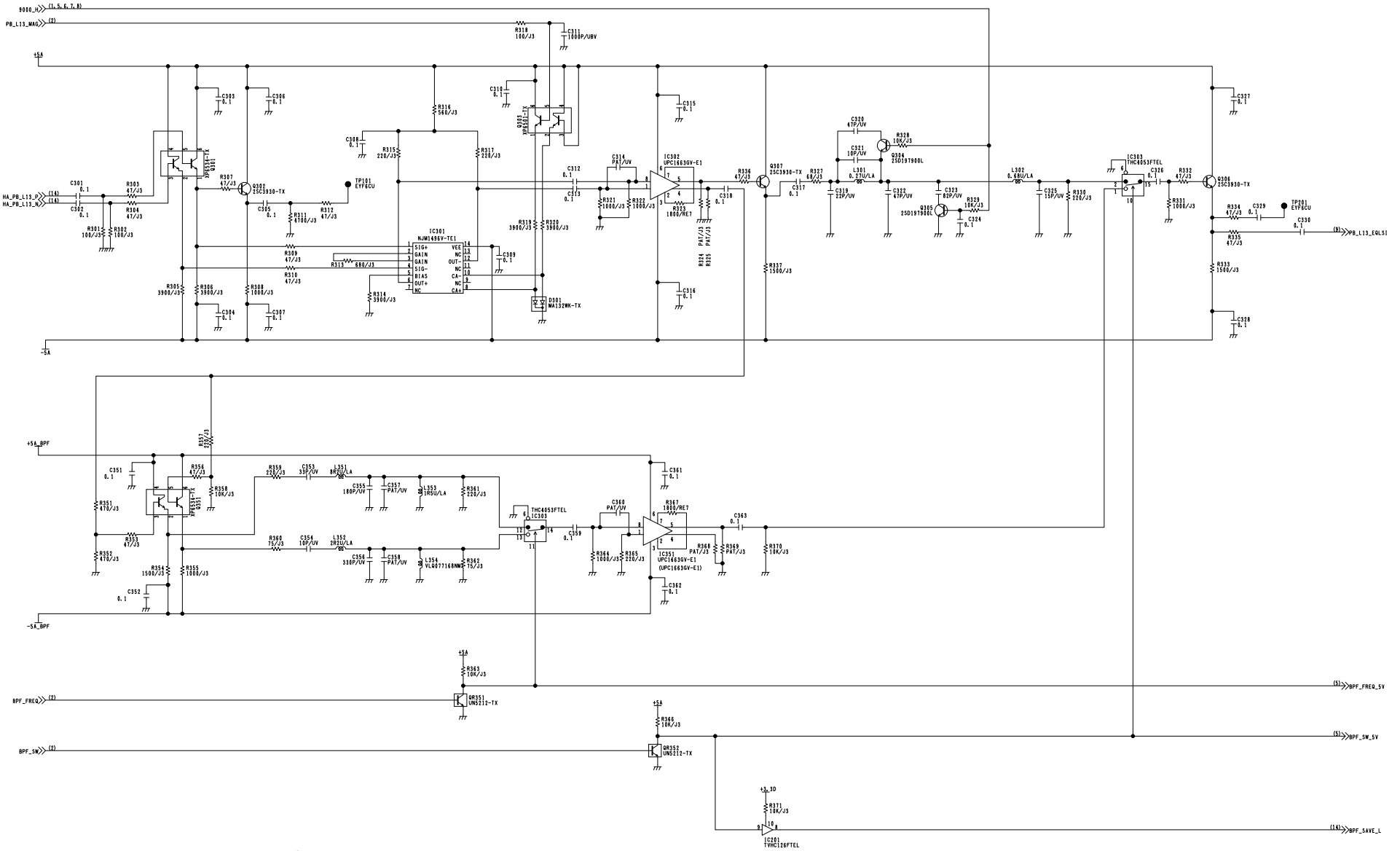
COMPONENT NAME	RF/EQ	01/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(1/14)
		SCM004



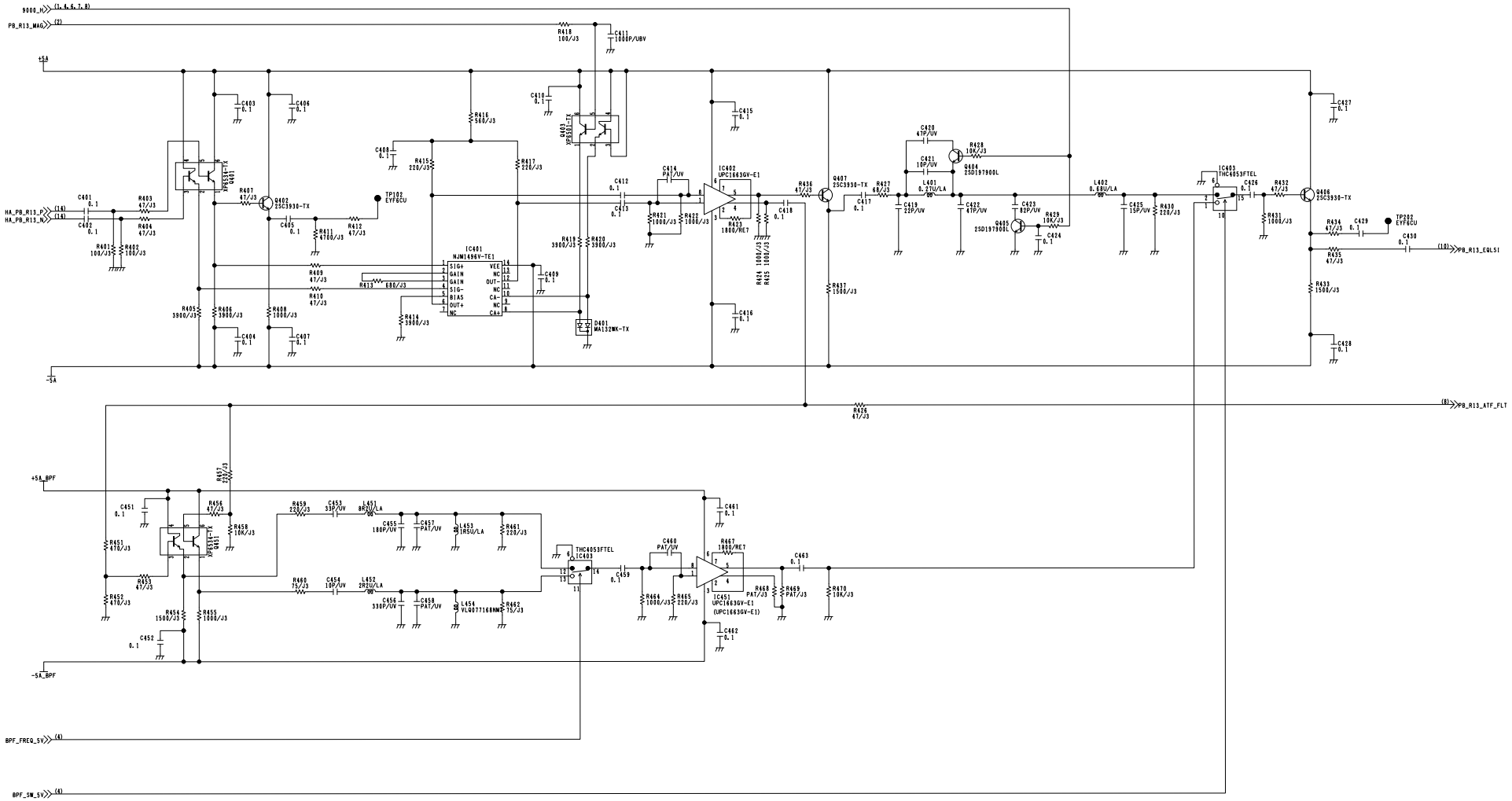
COMPONENT NAME	RF/EQ	02/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(2/14)
		SCM005



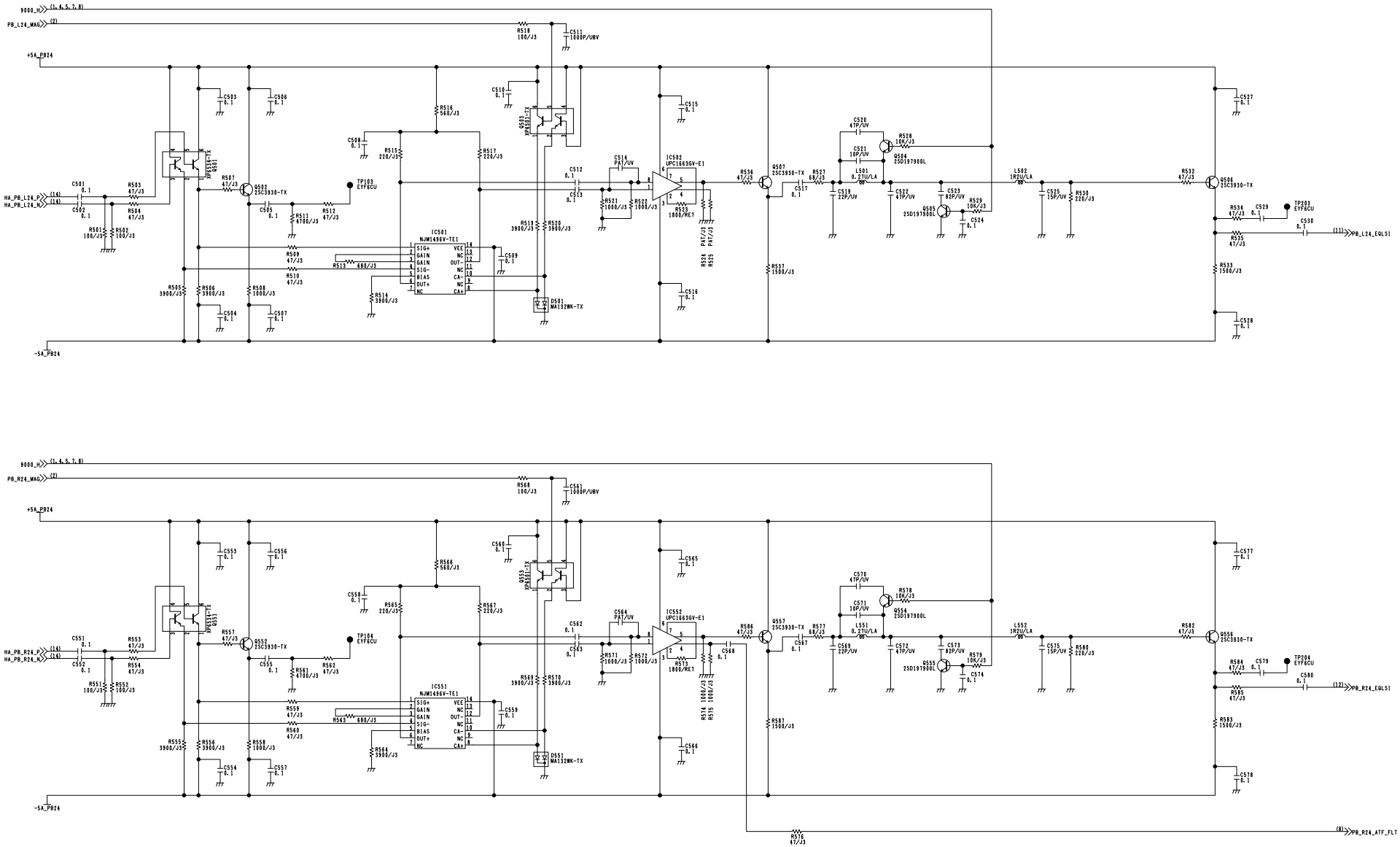
COMPONENT NAME	RF/EQ	03/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(3/14)
		SCM006



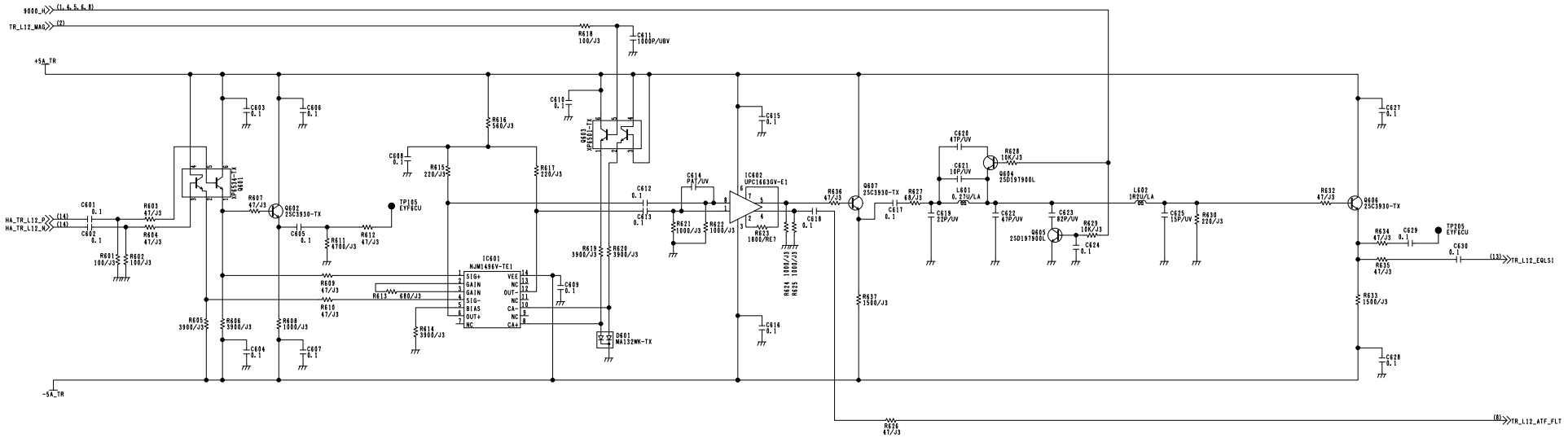
COMPONENT NAME	**RF/EQ**	04/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(4/14)
		SCM007



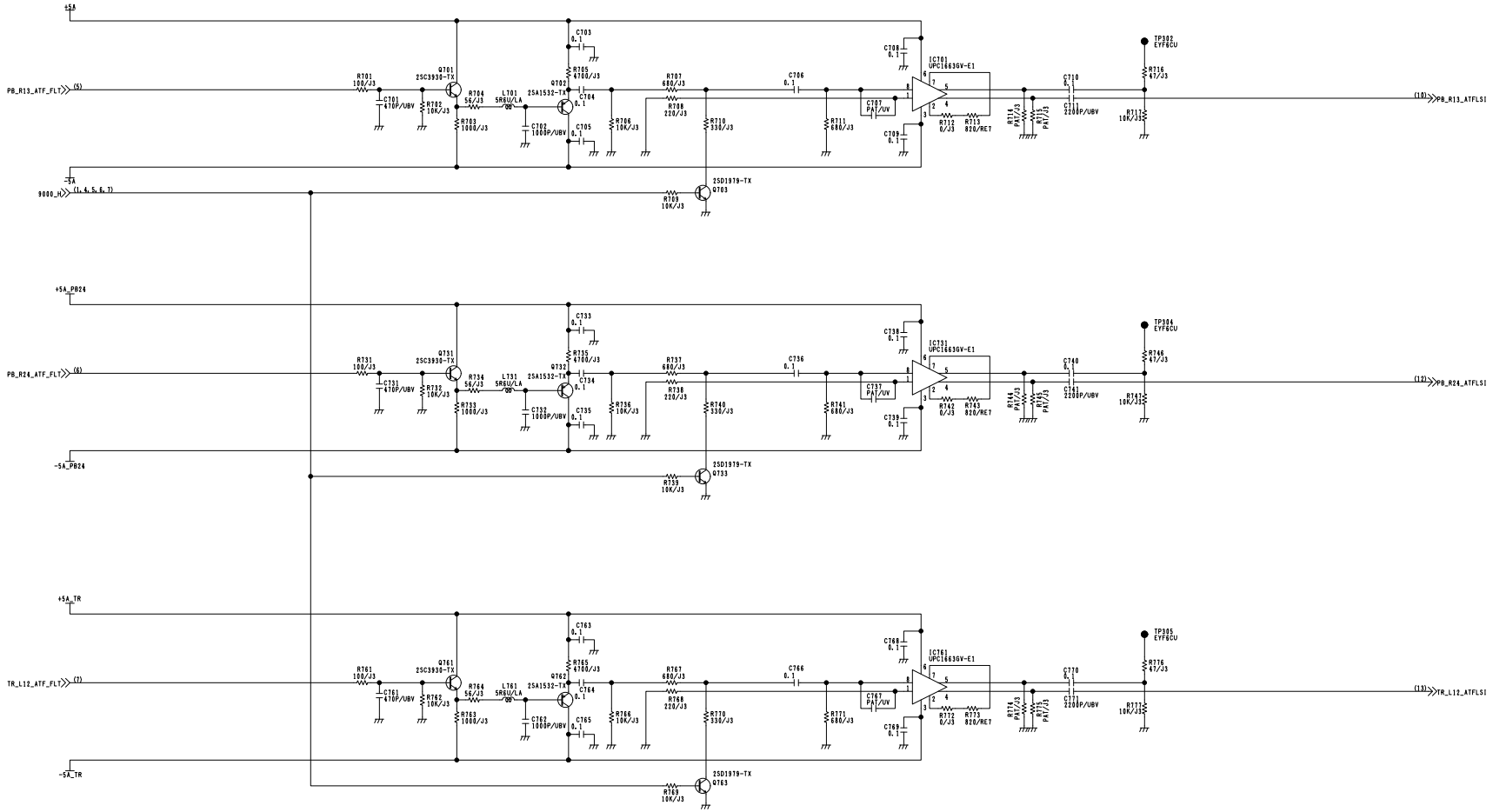
COMPONENT NAME	**RF/EQ**	05/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(5/14)
		SCM008



COMPONENT NAME	RF/EQ	06/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(6/14)
		SCM009



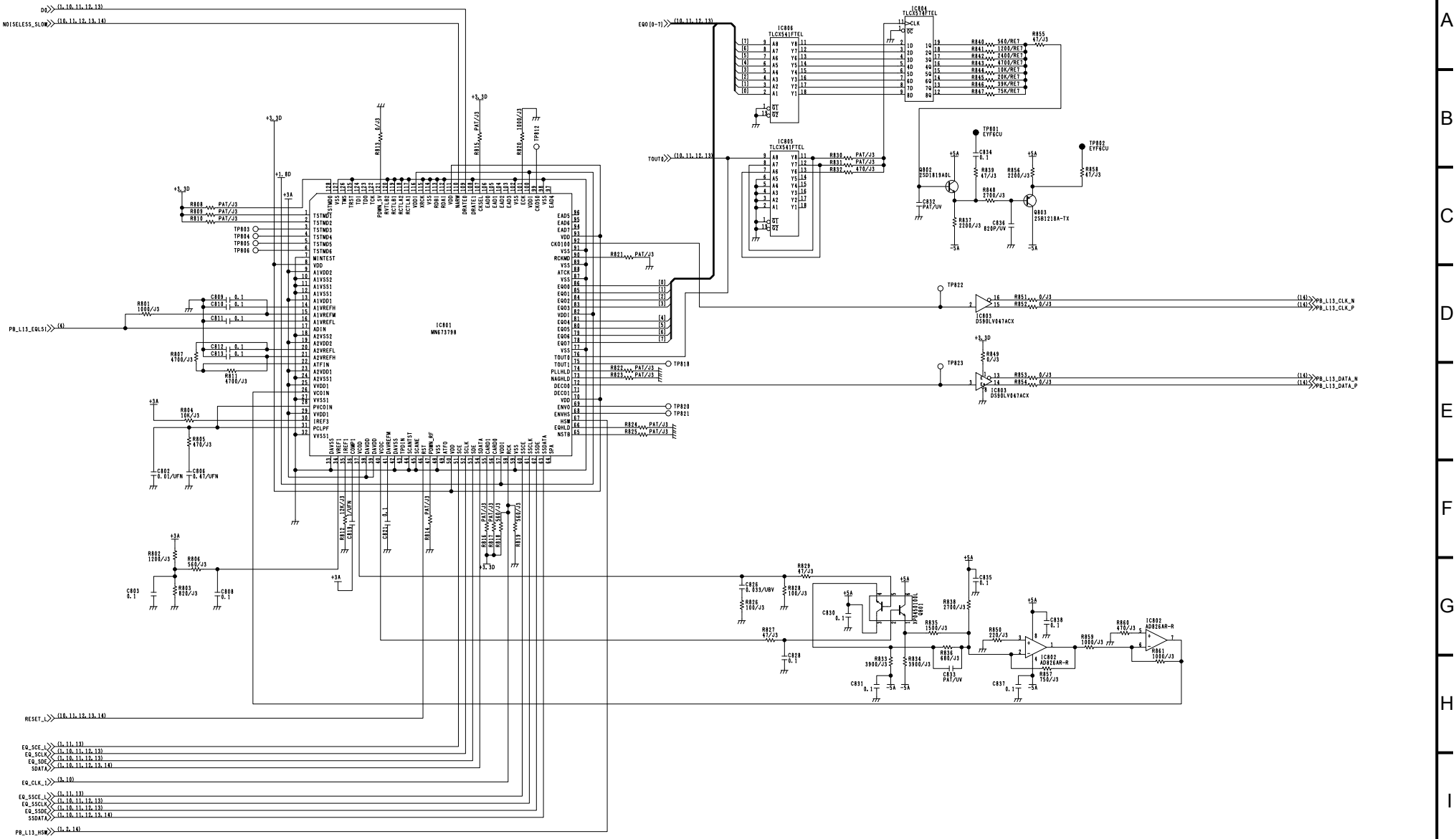
COMPONENT NAME	RF/EQ	07/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(7/14)
		SCM010



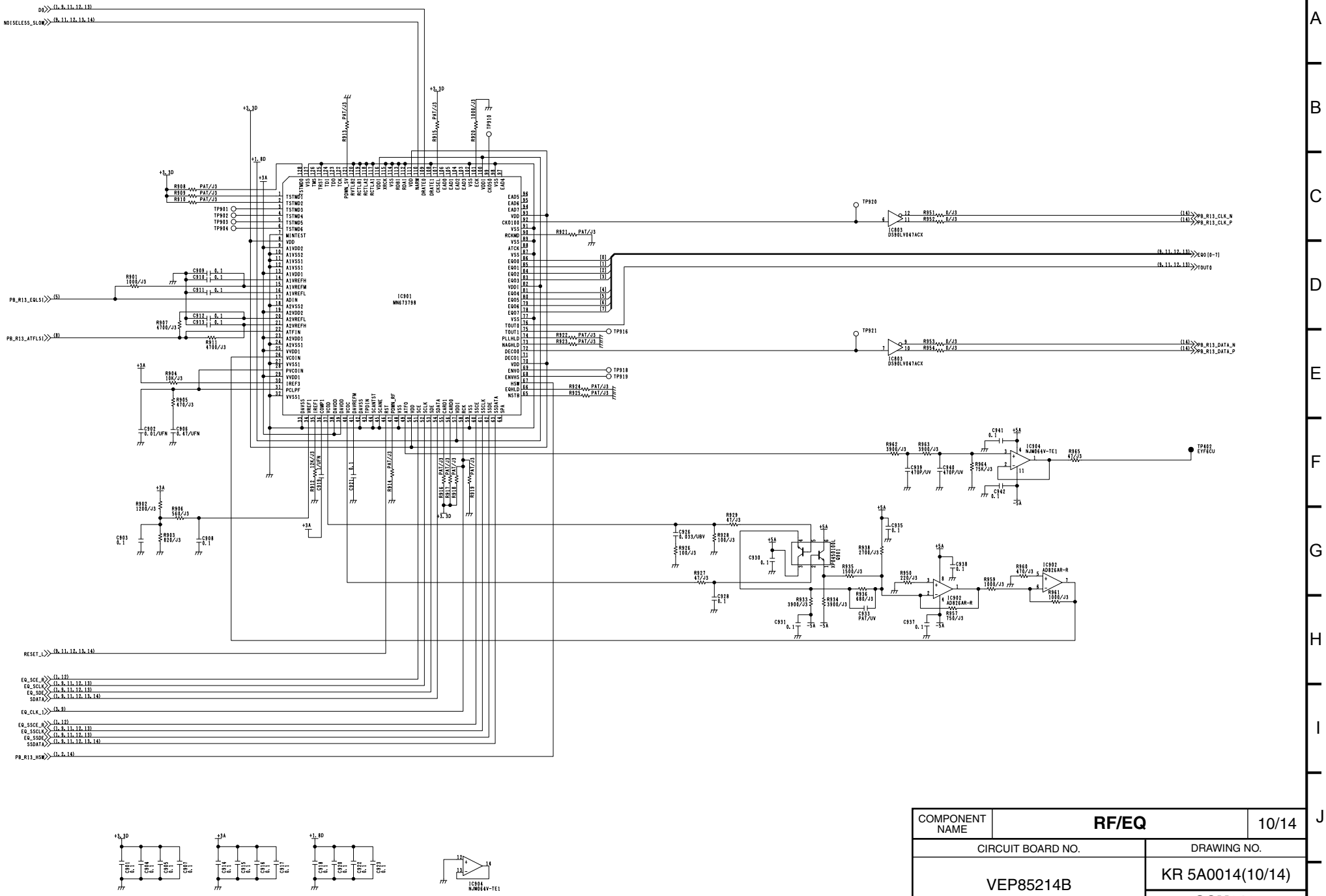
COMPONENT NAME	**RF/EQ**	08/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(8/14)
		SCM011

A B C D E F G H I J

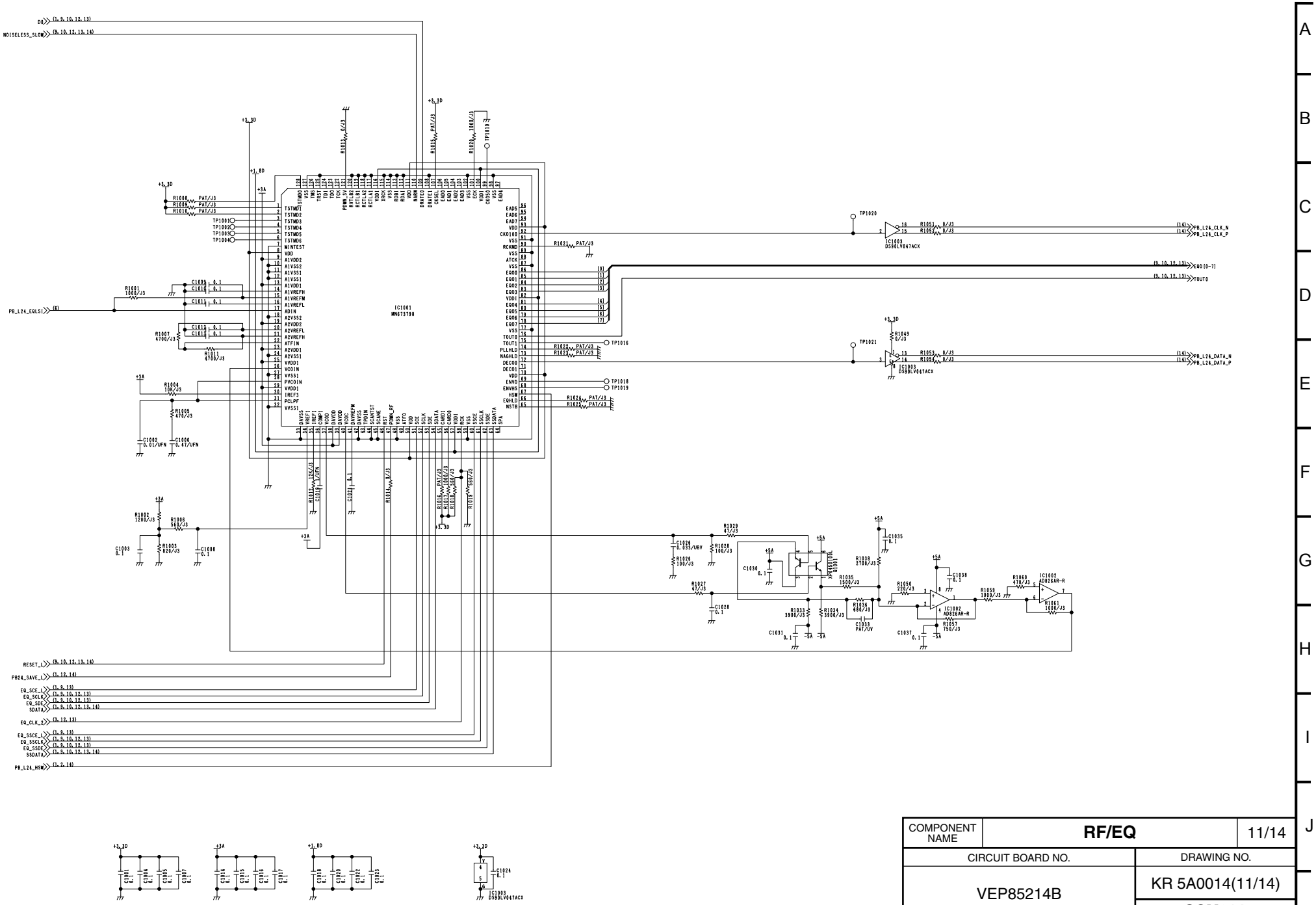
1 2 3 4 5 6 7 8 9 10 11 12 13 14



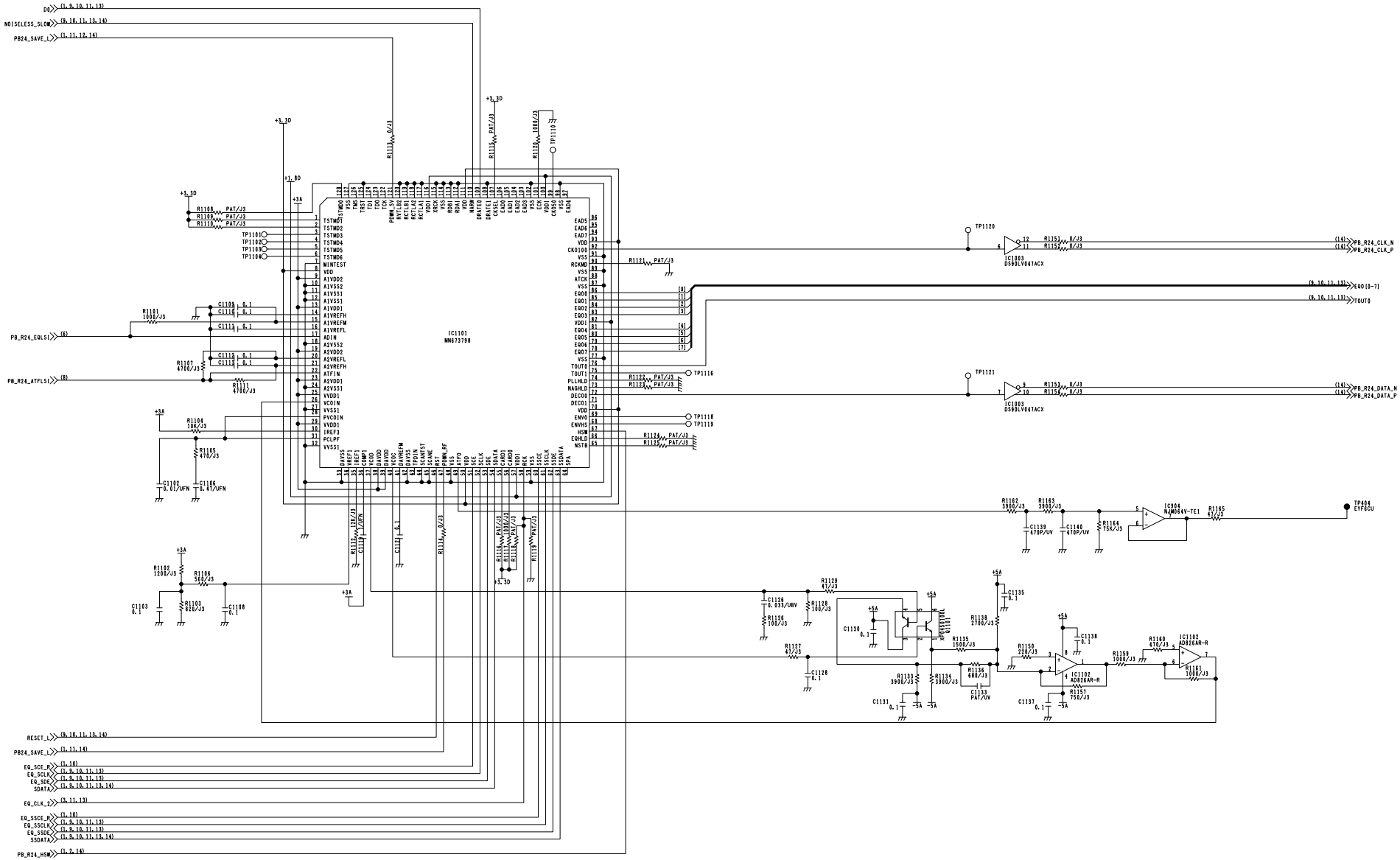
COMPONENT NAME	**RF/EQ**	09/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(9/14)
		SCM012



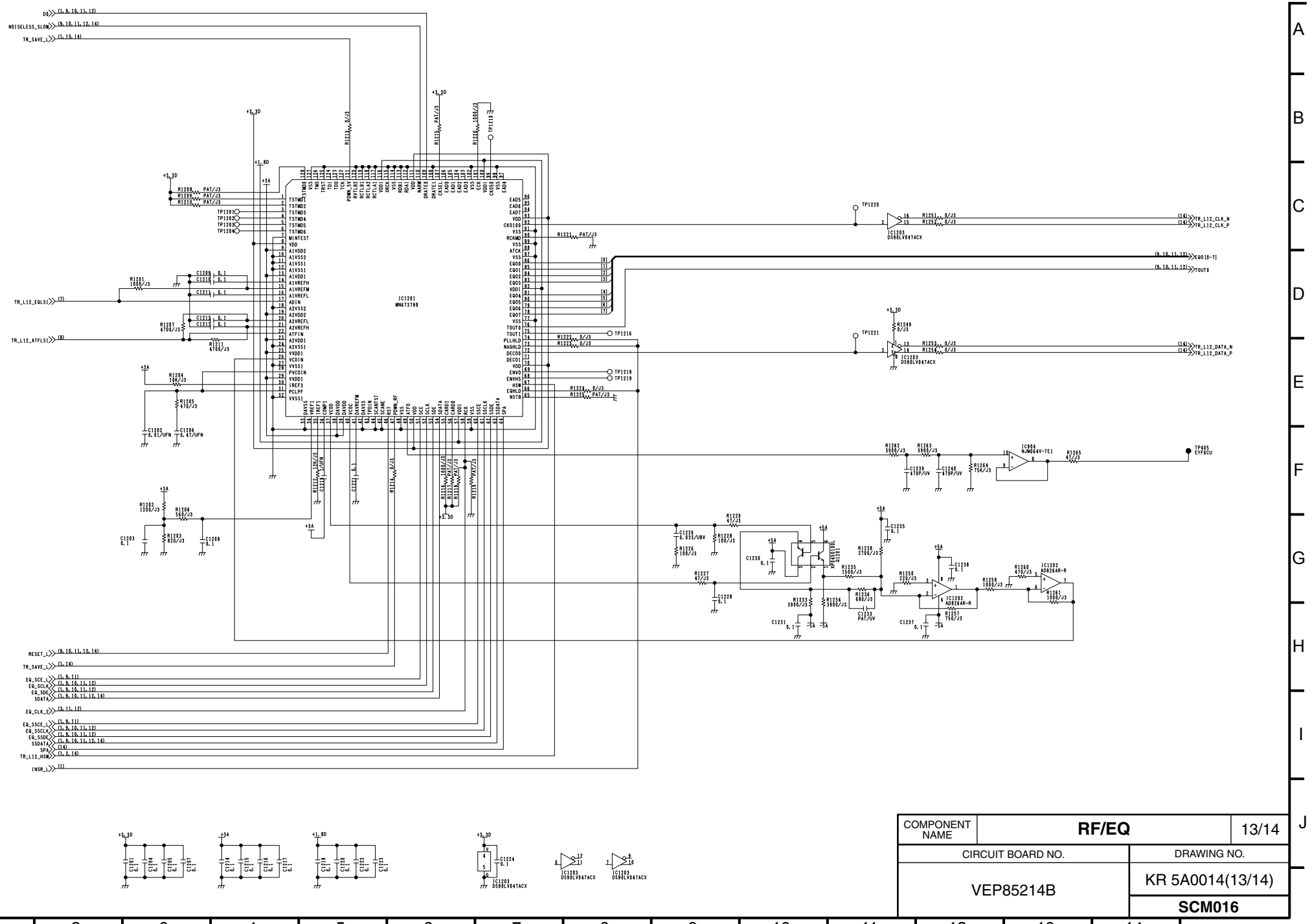
COMPONENT NAME	RF/EQ	10/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(10/14)
		SCM013



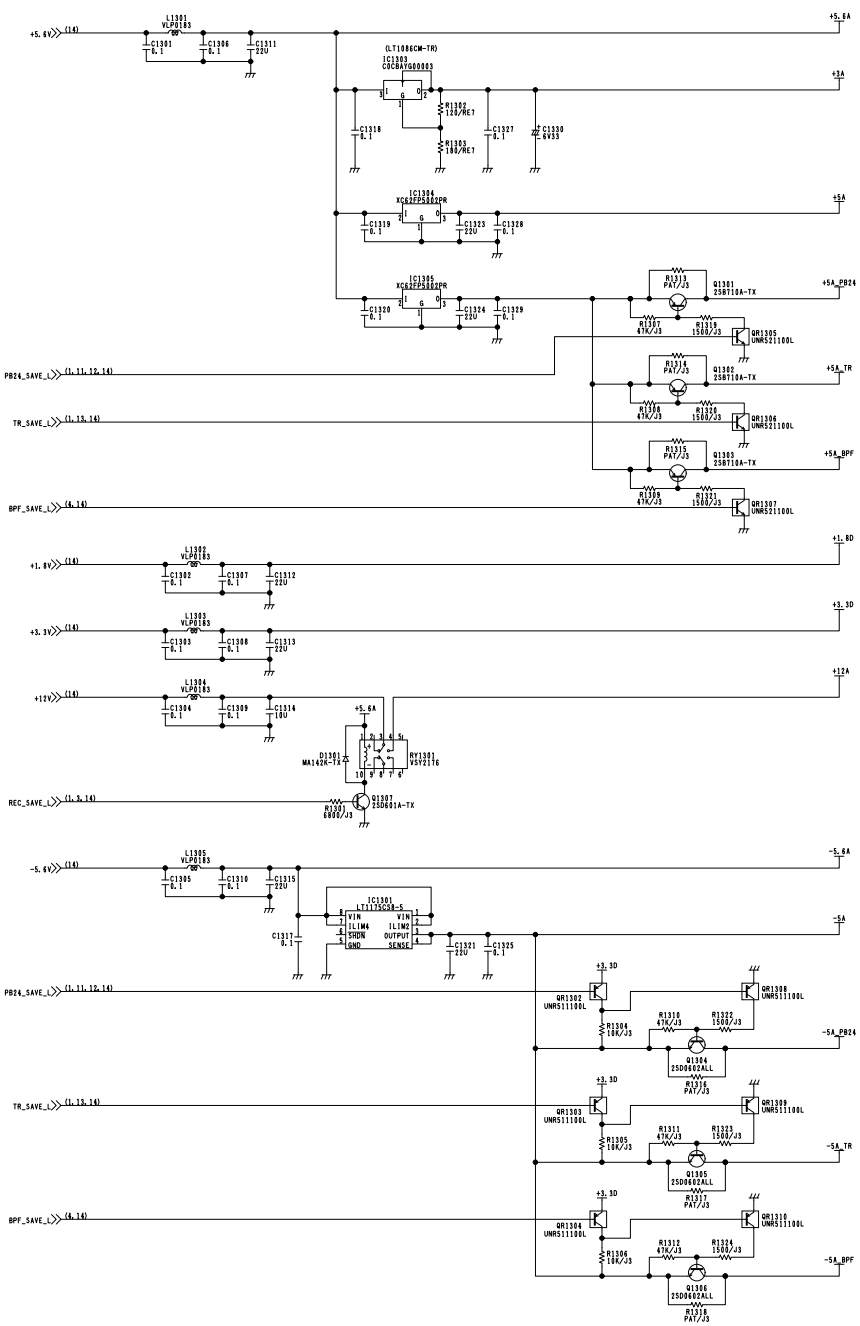
COMPONENT NAME	**RF/EQ**	11/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(11/14)
		SCM014

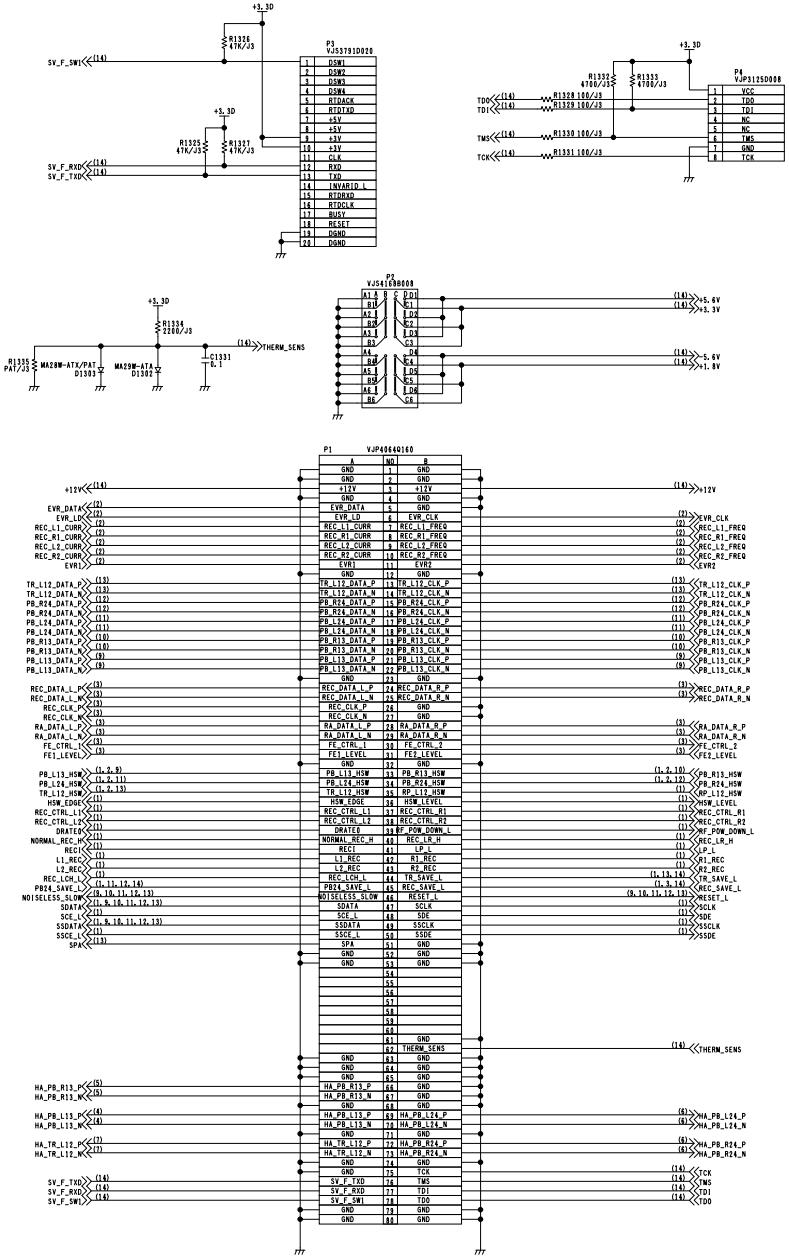


COMPONENT NAME	RF/EQ	12/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(12/14)
		SCM015



COMPONENT NAME	RF/EQ	13/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(13/14)
		SCM016

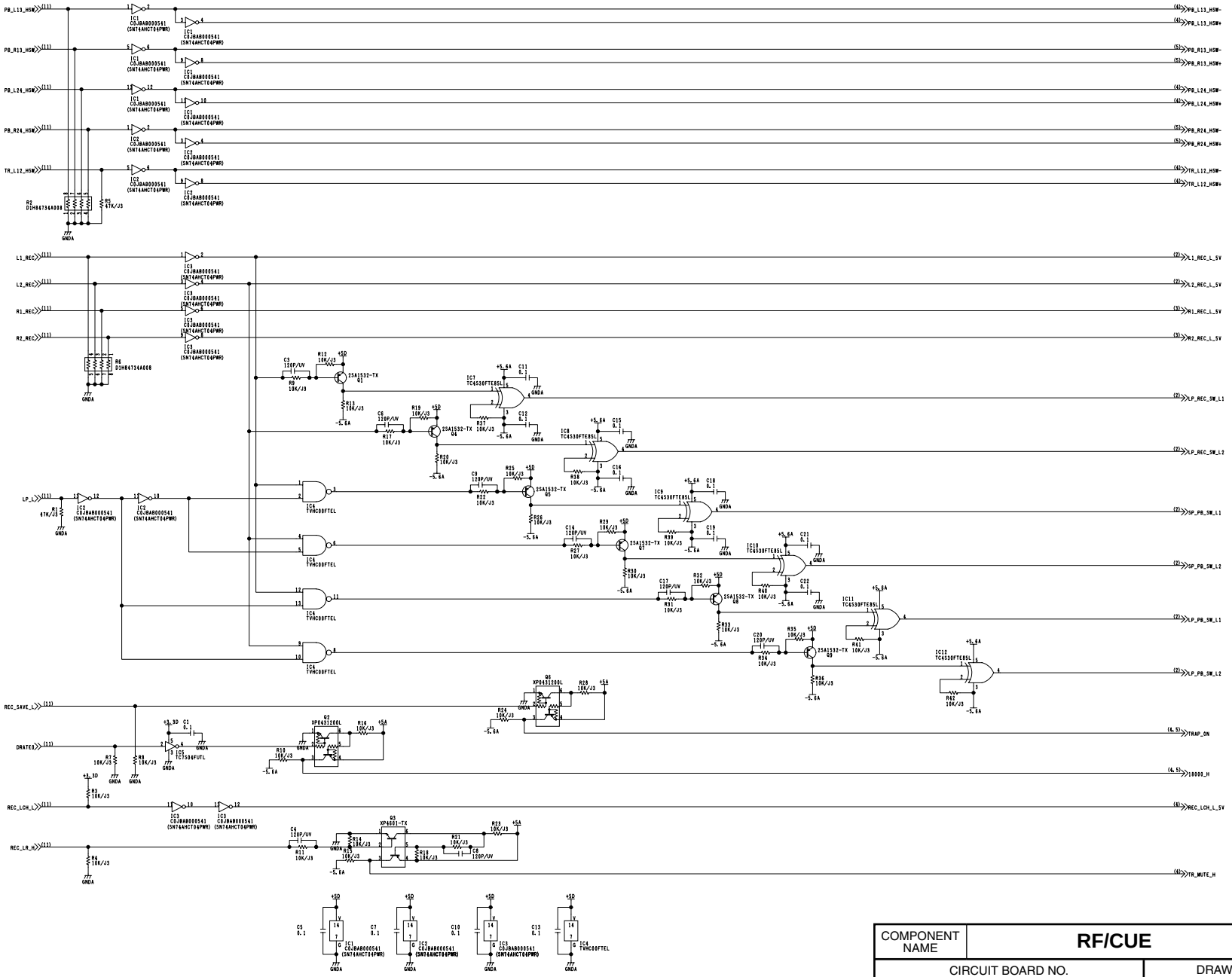




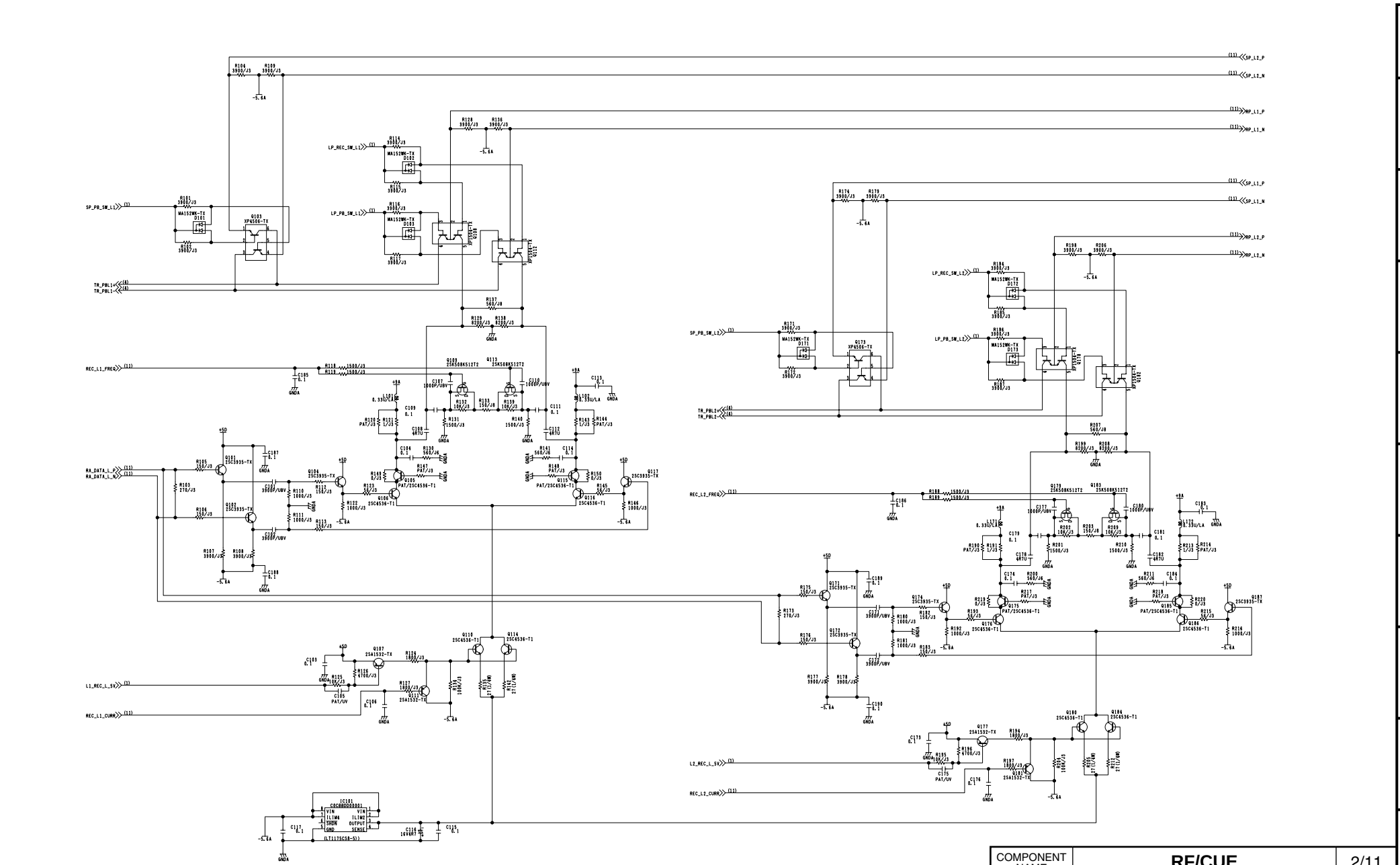
COMPONENT NAME	**RF/EQ**	14/14
CIRCUIT BOARD NO.		DRAWING NO.
VEP85214B		KR 5A0014(14/14)
		SCM017

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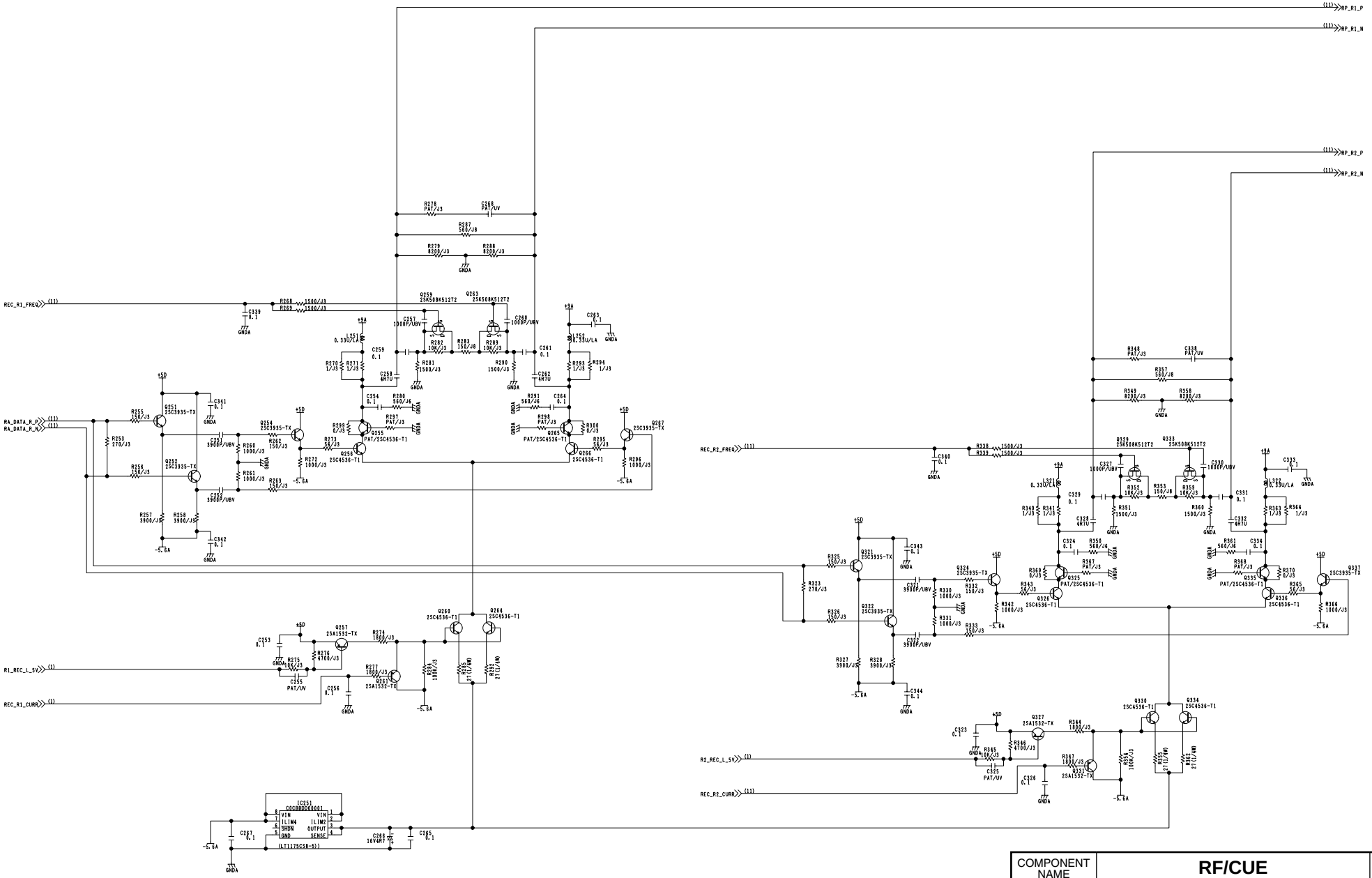
1 2 3 4 5 6 7 8 9 10 11 12 13 14



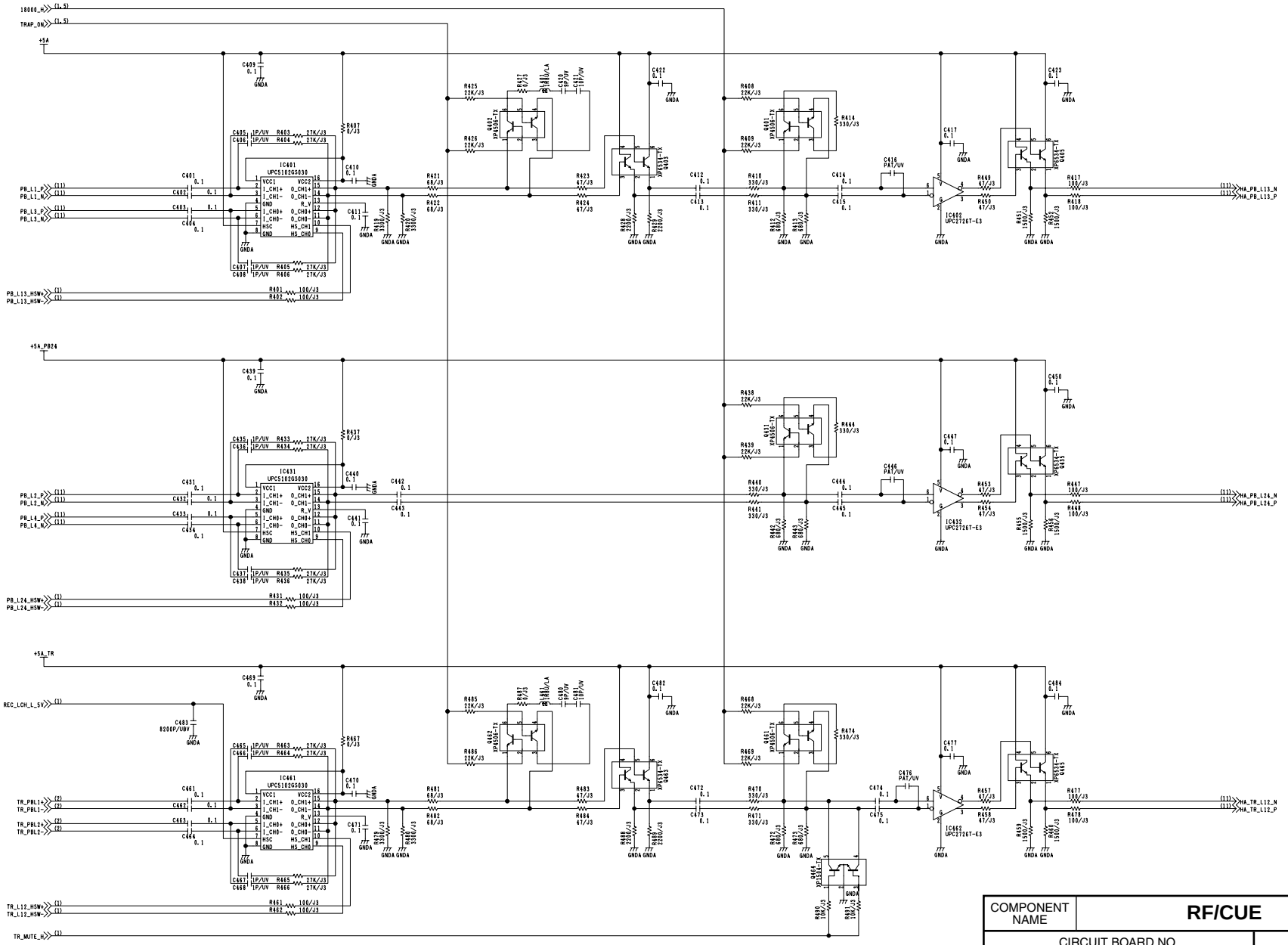
COMPONENT NAME	**RF/CUE**	1/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(1/11)
		SCM047



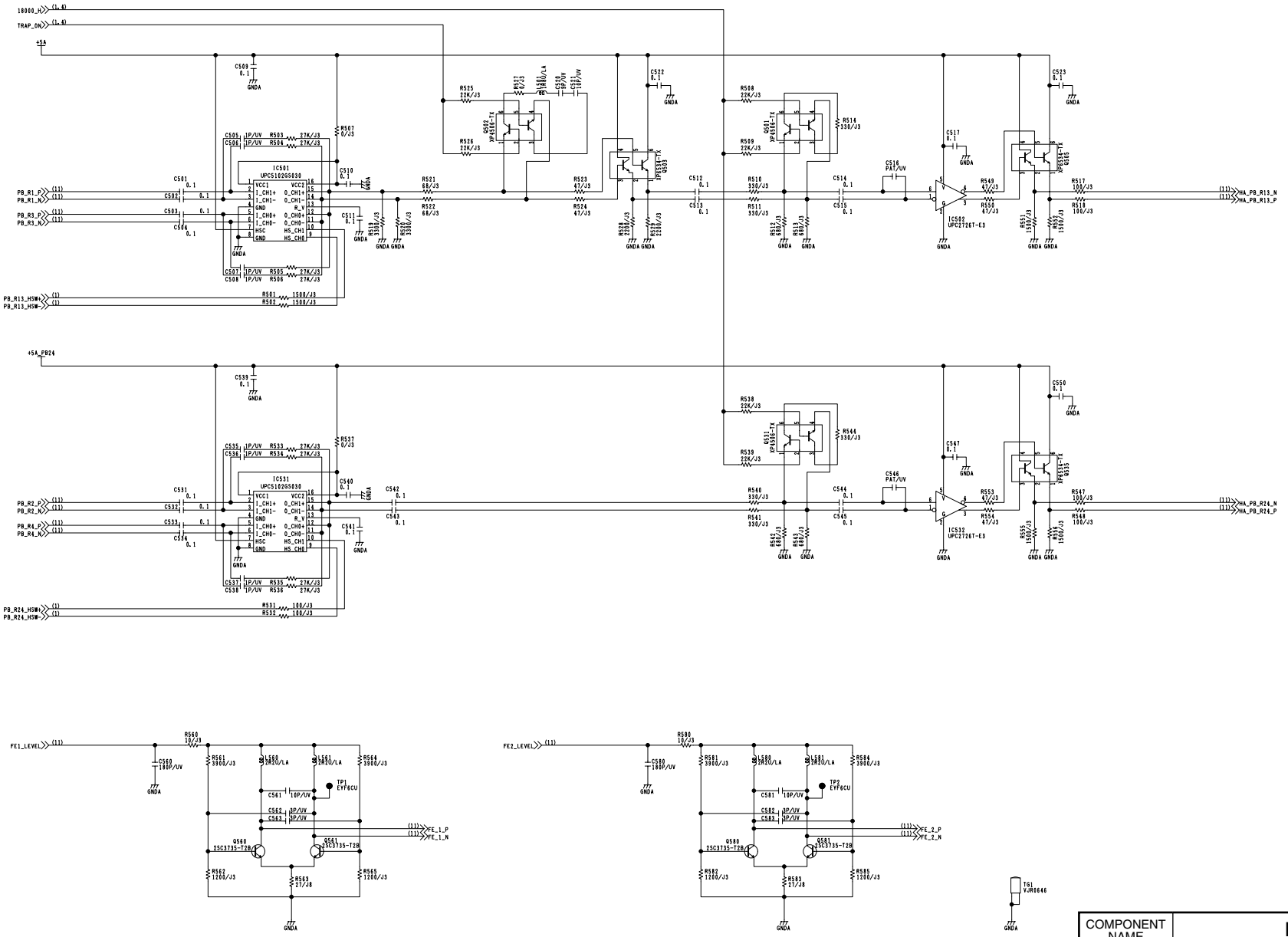
COMPONENT NAME	RF/CUE	2/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(2/11)
		SCM048



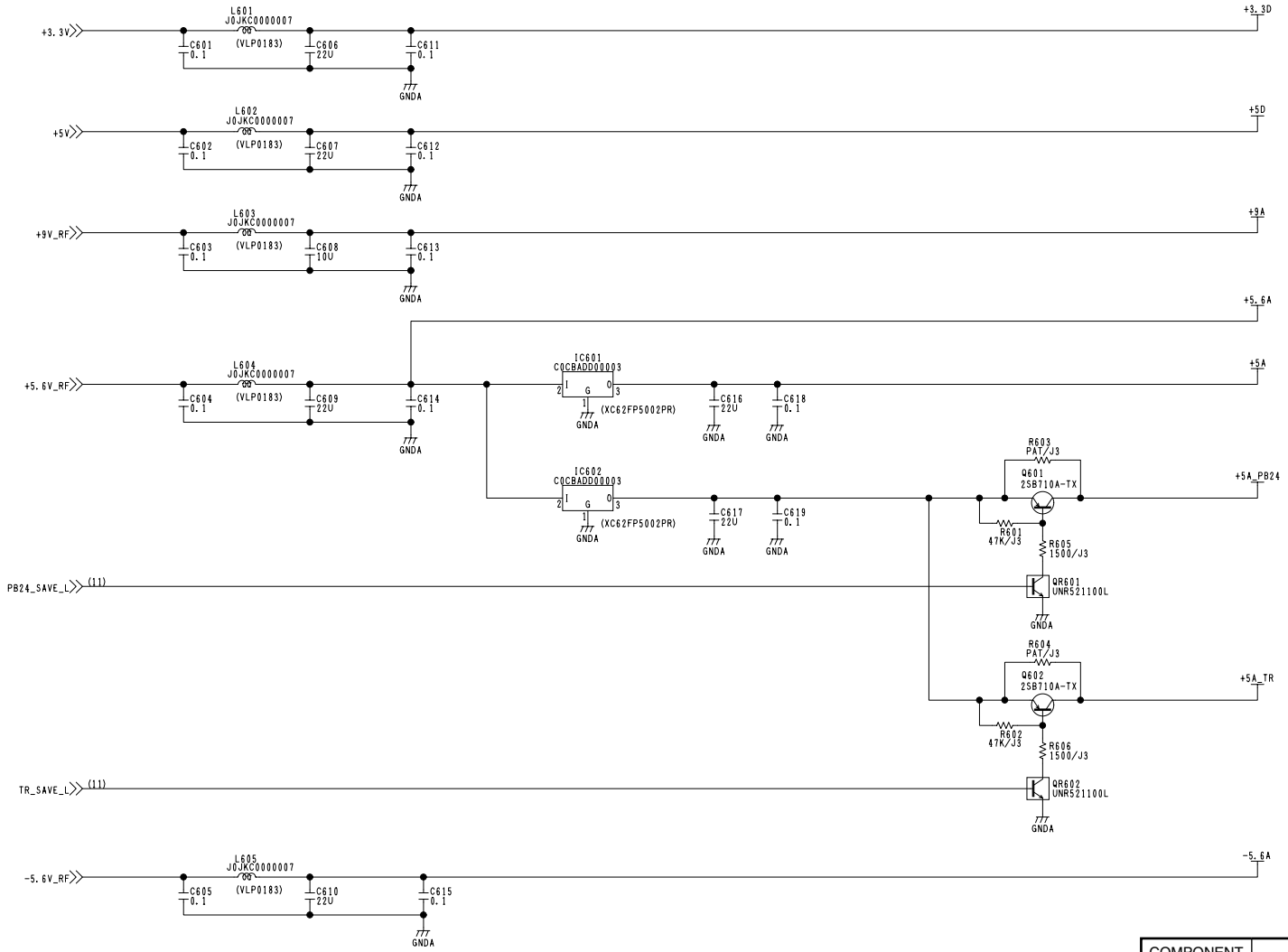
COMPONENT NAME	RF/CUE	3/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(3/11)
		SCM049



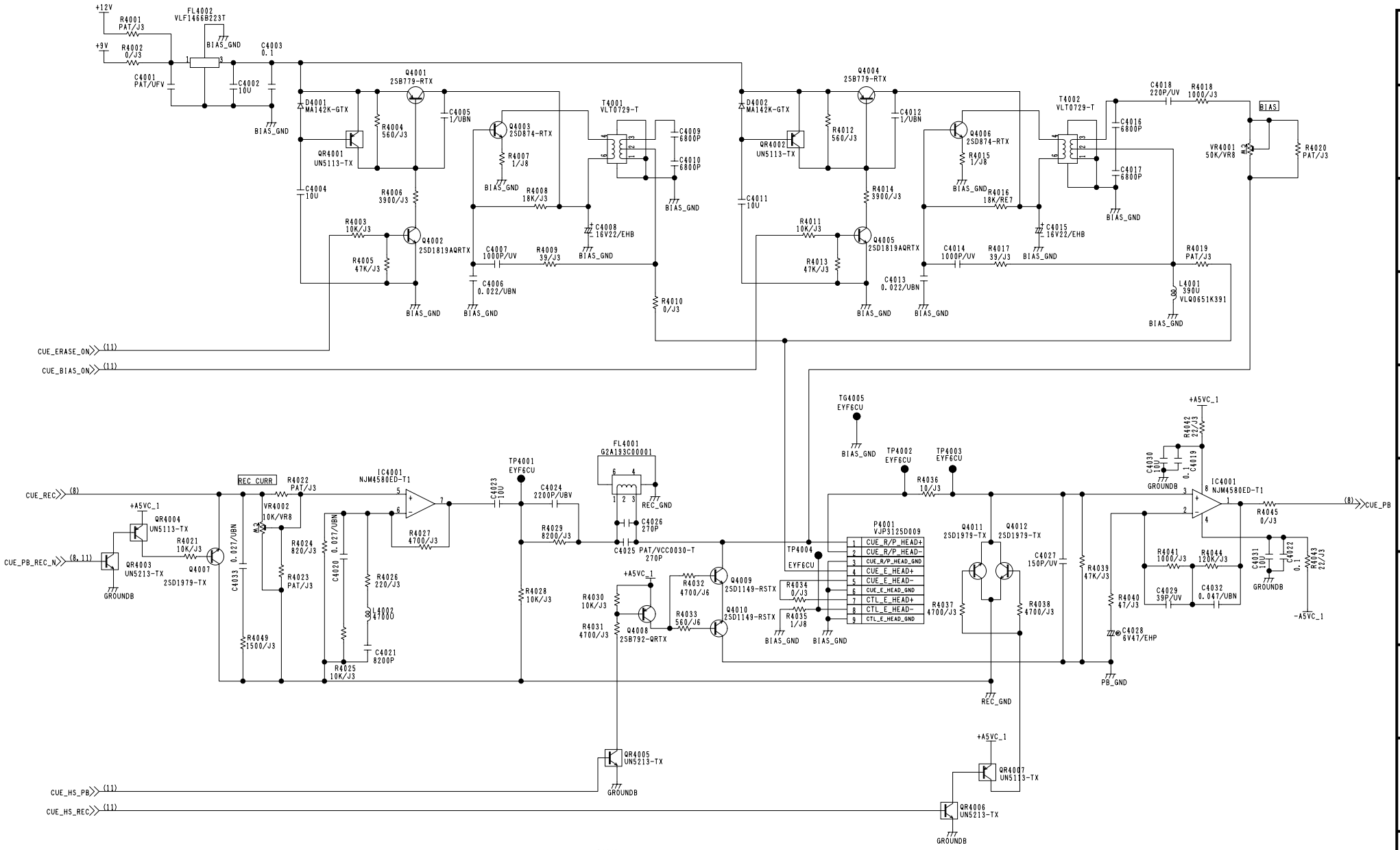
COMPONENT NAME	RF/CUE	4/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(4/11)
		SCM050



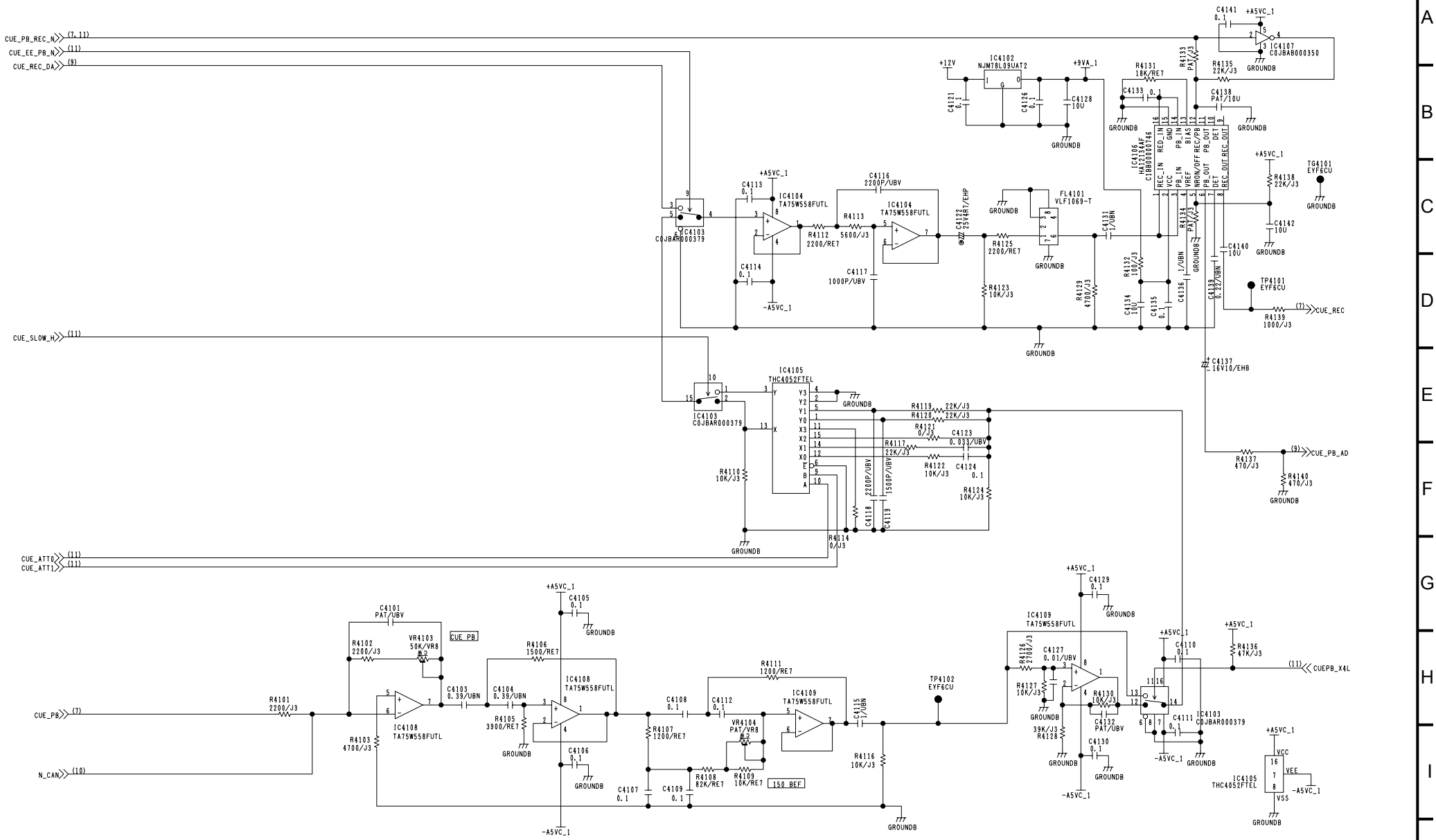
COMPONENT NAME	RF/CUE	5/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(5/11)
		SCM051



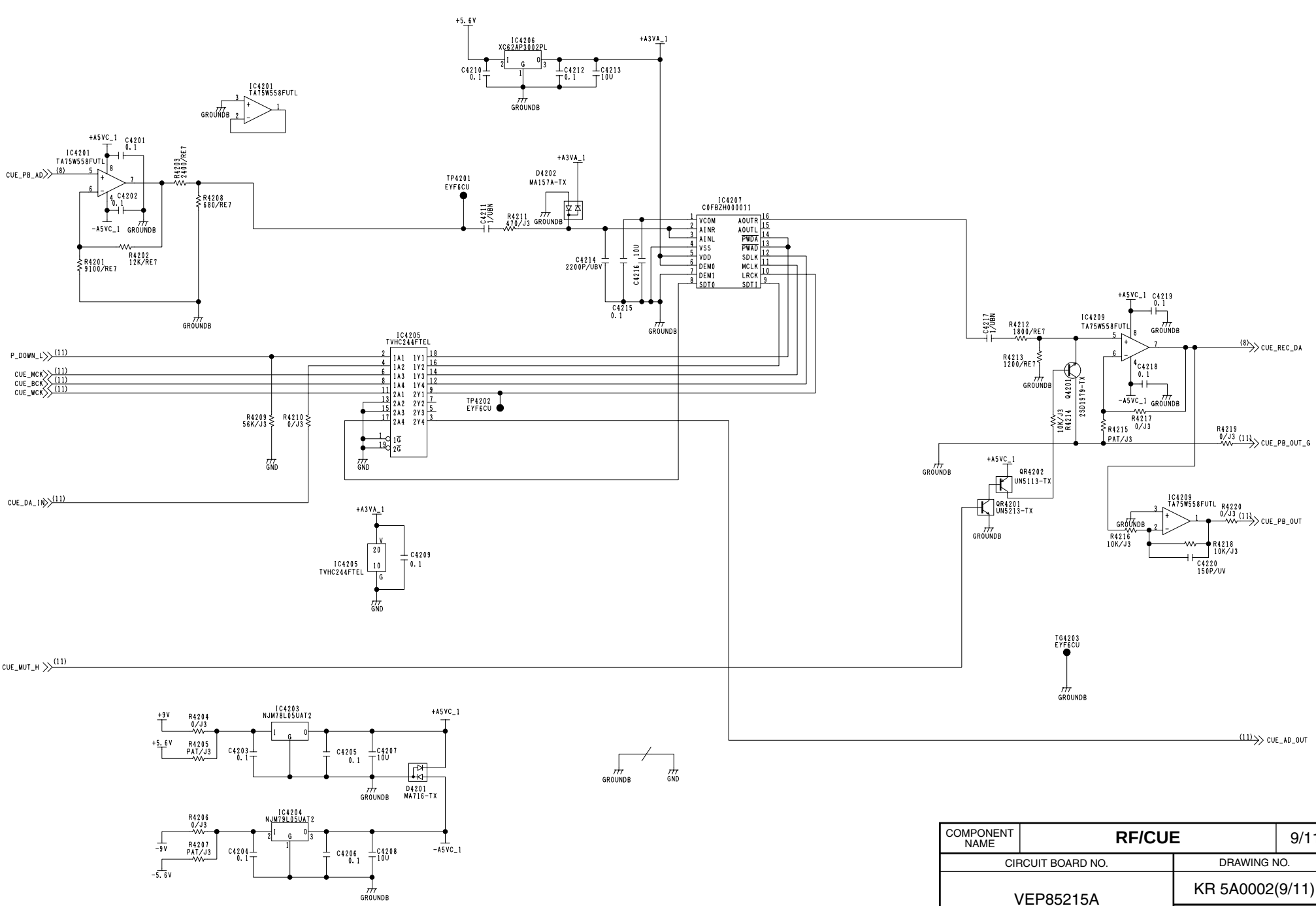
COMPONENT NAME	RF/CUE	6/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(6/11)
		SCM052



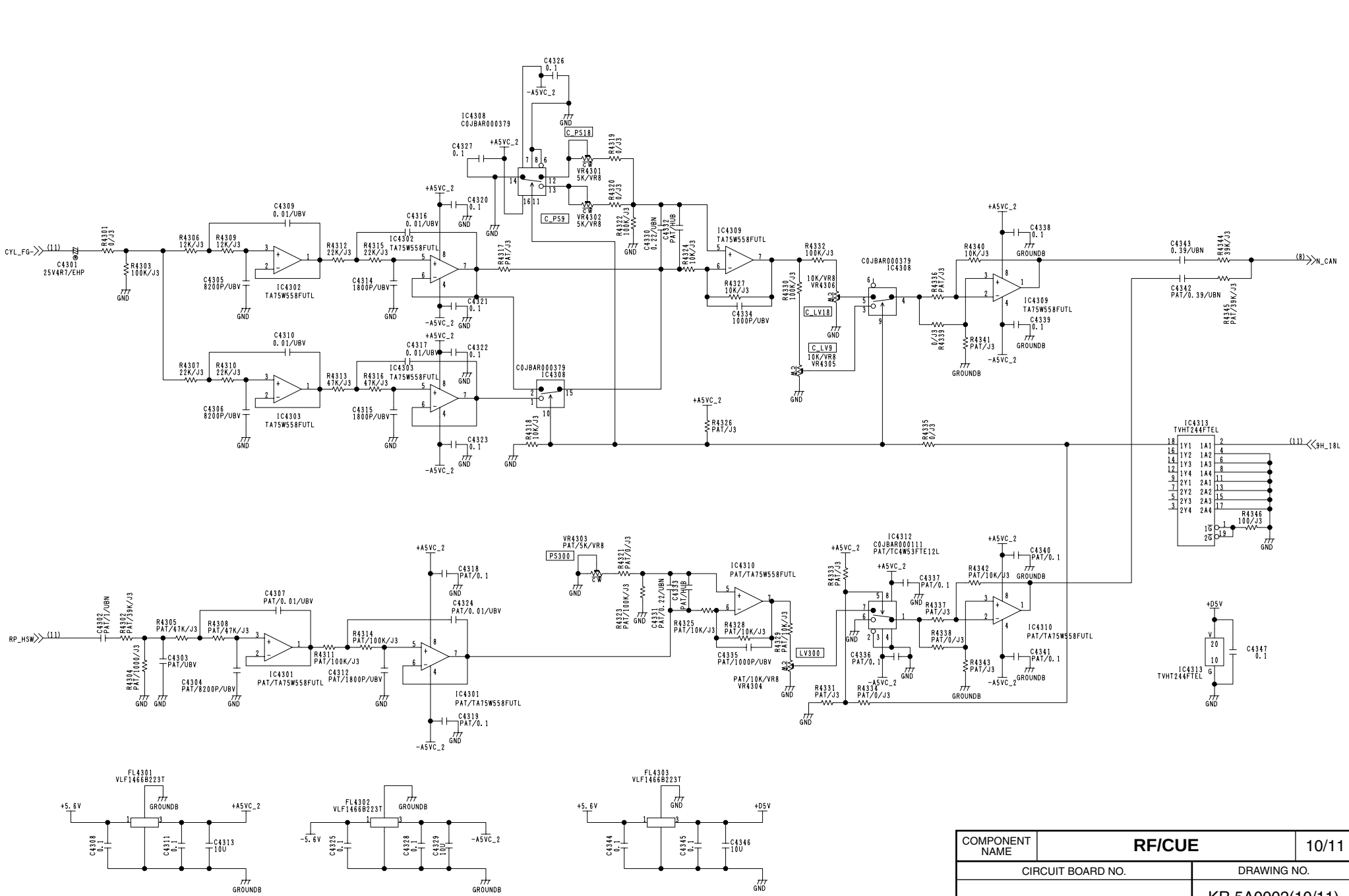
COMPONENT NAME	**RF/CUE**	7/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(7/11)
		SCM053



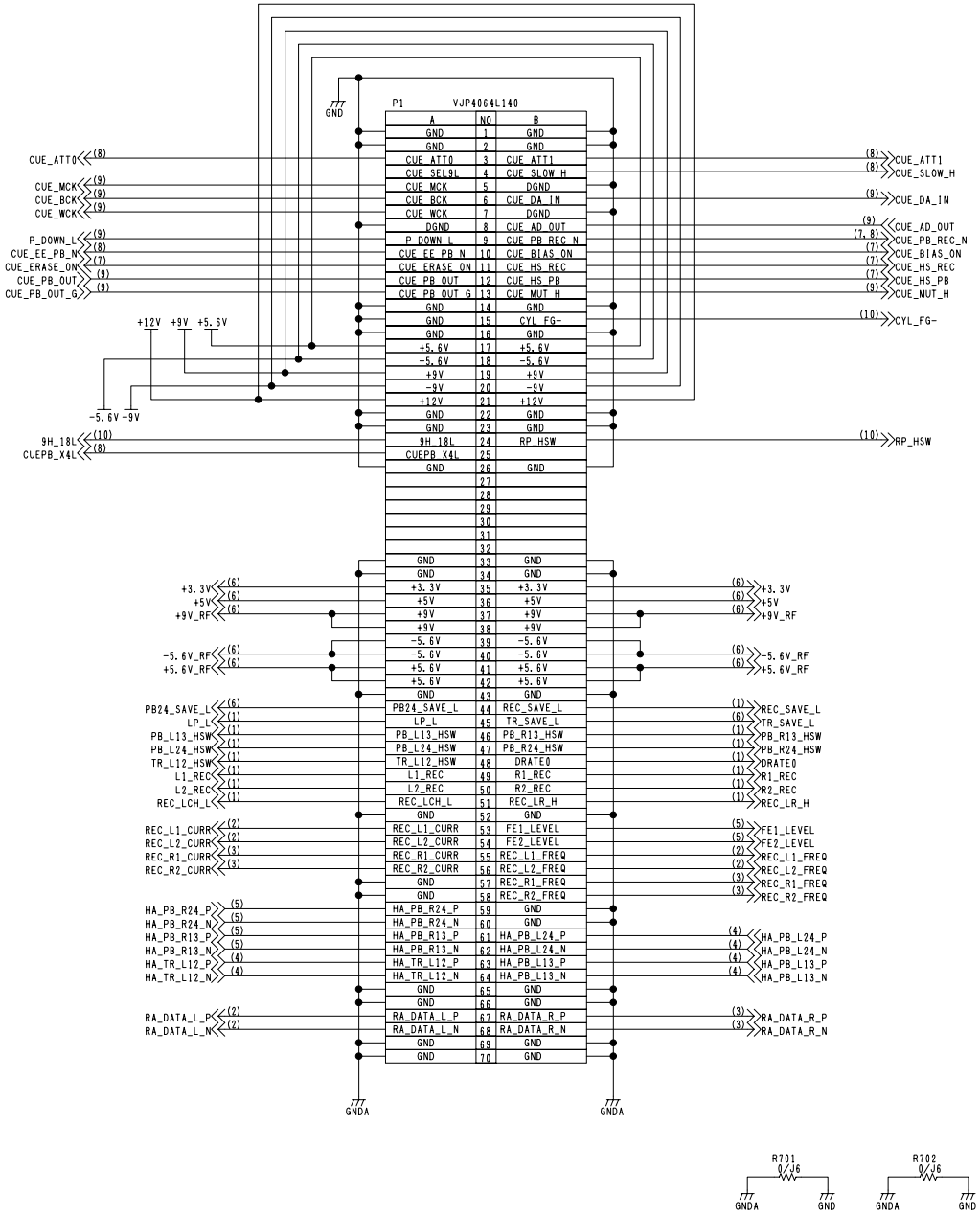
COMPONENT NAME	**RF/CUE**	8/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(8/11)
		SCM054



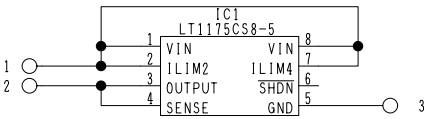
COMPONENT NAME	RF/CUE	9/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(9/11)
		SCM055



COMPONENT NAME	**RF/CUE**	10/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(10/11)
		SCM056



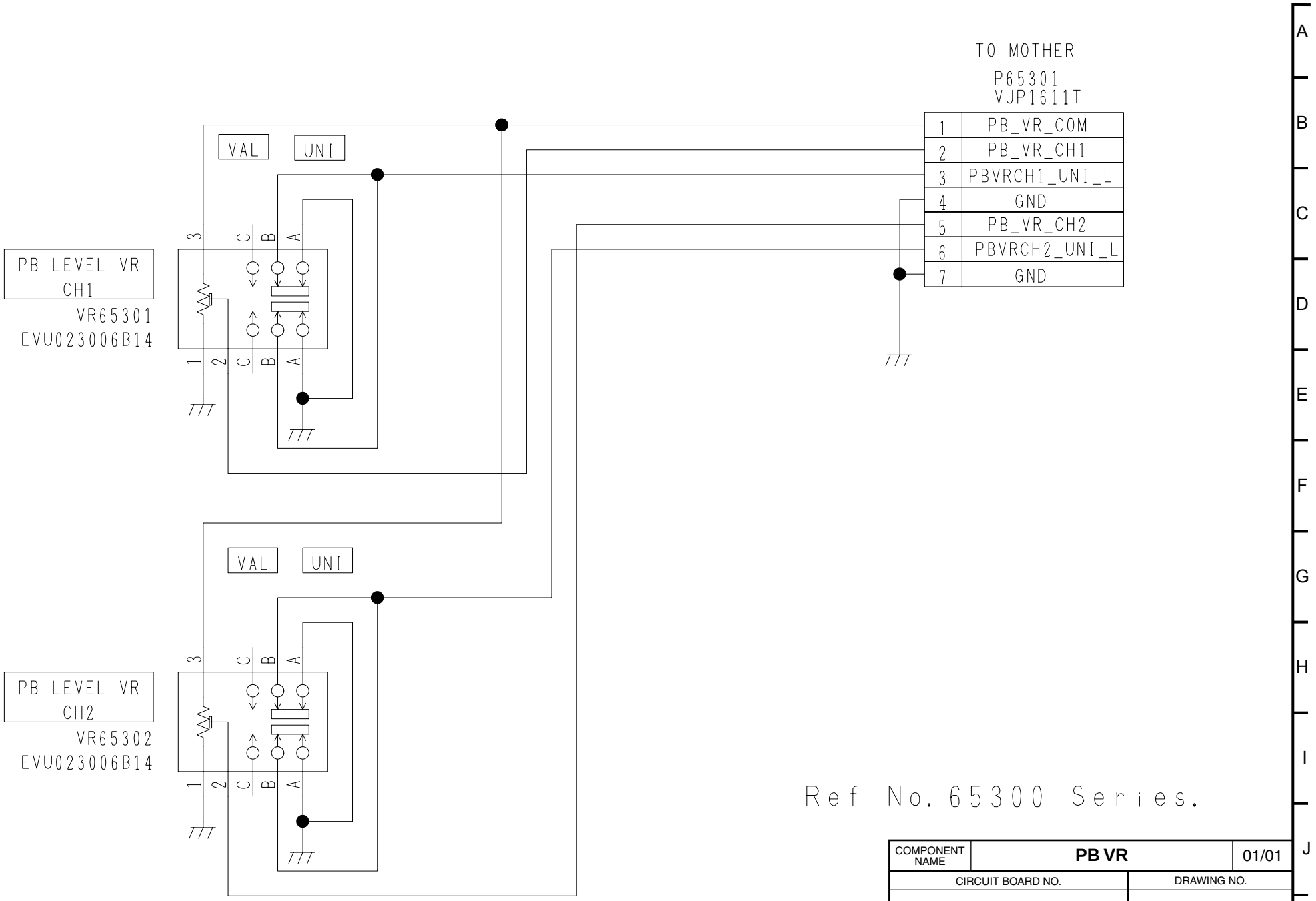
COMPONENT NAME	**RF/CUE**	11/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85215A		KR 5A0002(11/11)
		SCM057

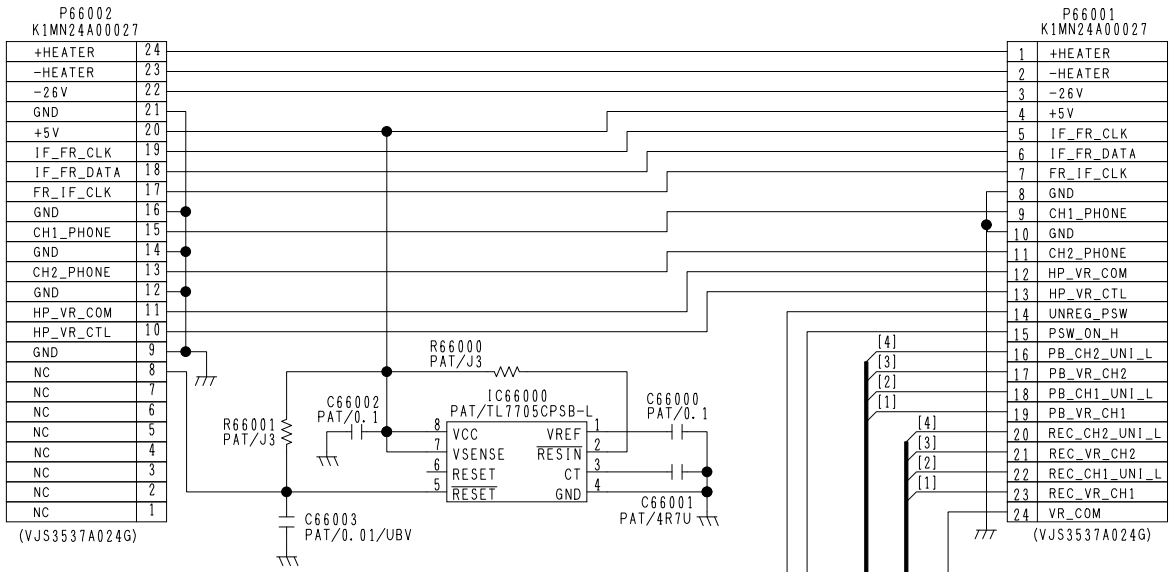


COMPONENT NAME	**RFEQ_SUB**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP85218A		KR 5A0011(1/1)
		SCM058

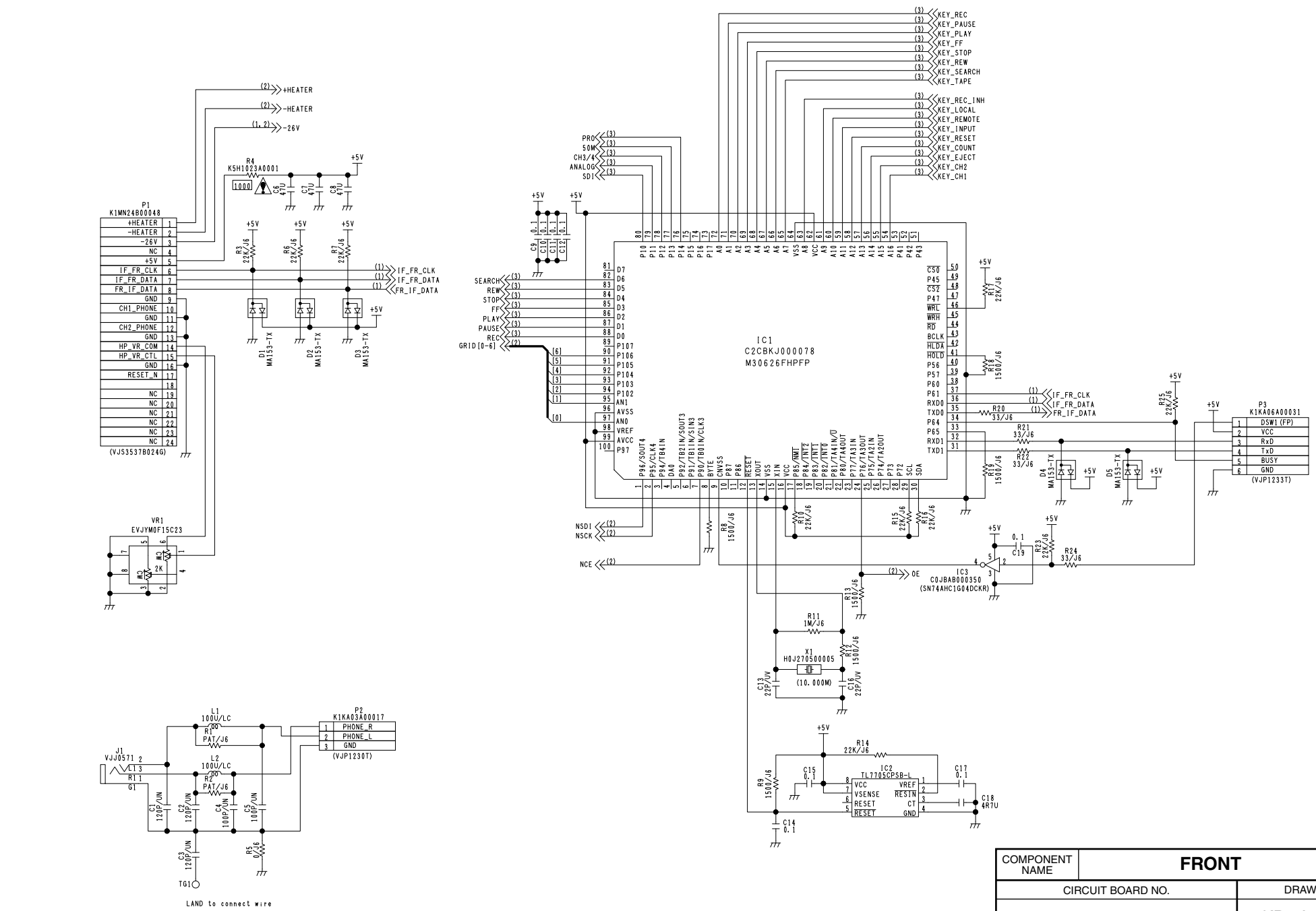
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

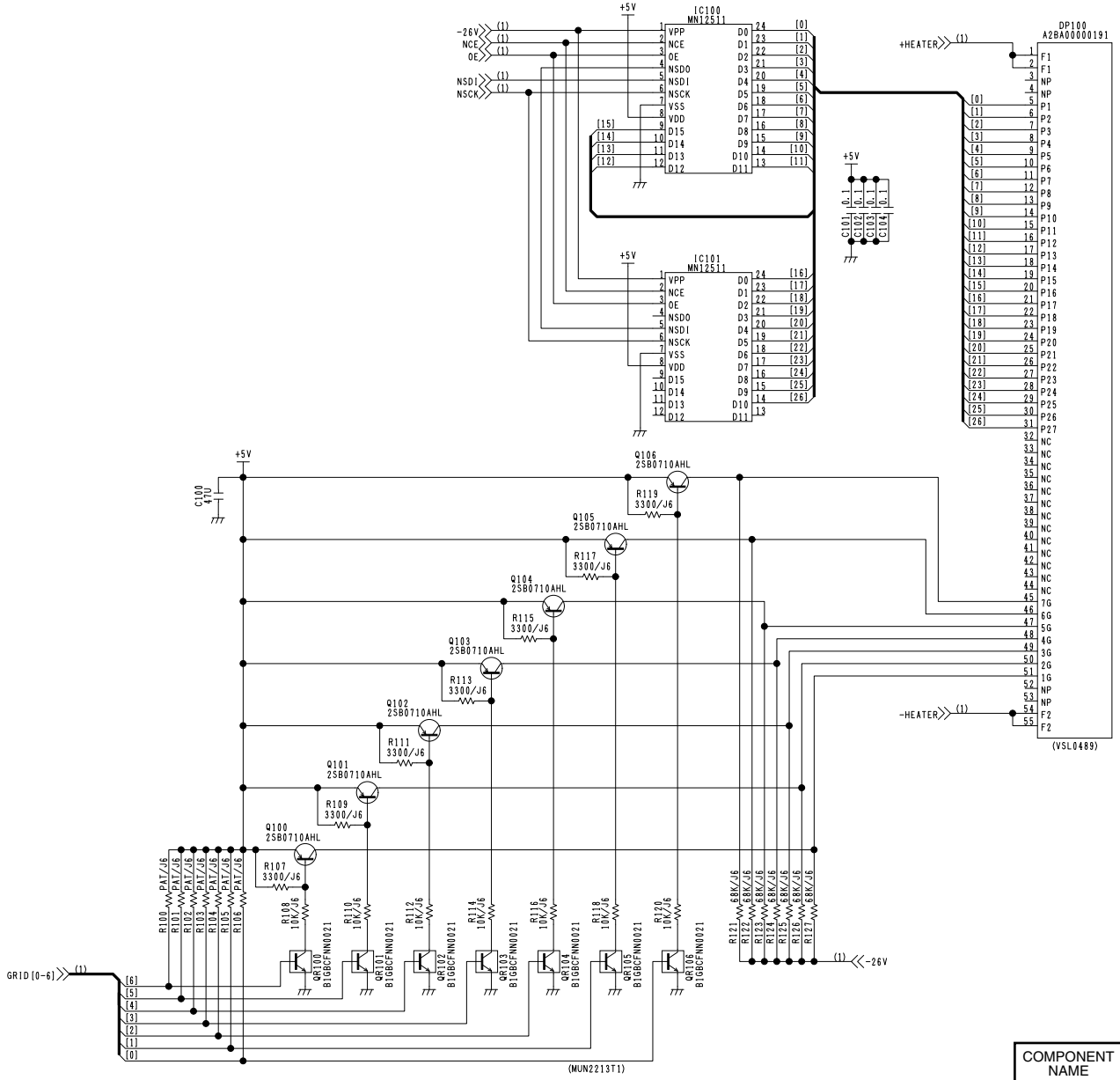

TO MOTHER
P65301
VJP1611T
1 PB_VR_COM
2 PB_VR_CH1
3 PBVRCH1_UNI_L
4 GND
5 PB_VR_CH2
6 PBVRCH2_UNI_L
7 GND
PB LEVEL VR
CH1
VR65301
EVU023006B14
VAL
UNI
PB LEVEL VR
CH2
VR65302
EVU023006B14
VAL
UNI
Ref No. 65300 Series.
COMPONENT NAME
PB VR
01/01
CIRCUIT BOARD NO.
VEP86283A
DRAWING NO.
(1/1)
SCM101



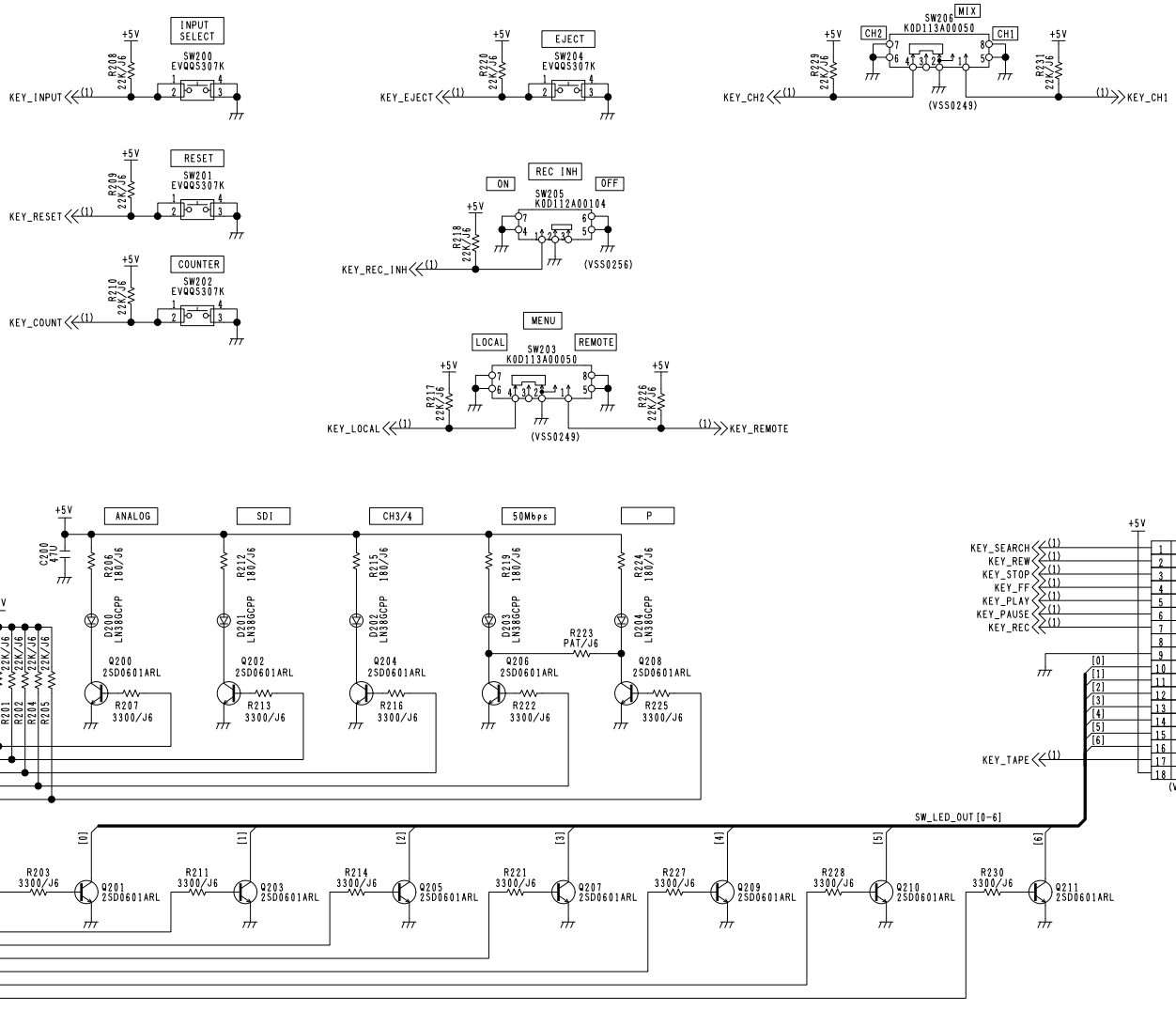
COMPONENT NAME	**FRONT CONNECT**	01/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP86336A		KR 6A0118(1/1)
		SCM104



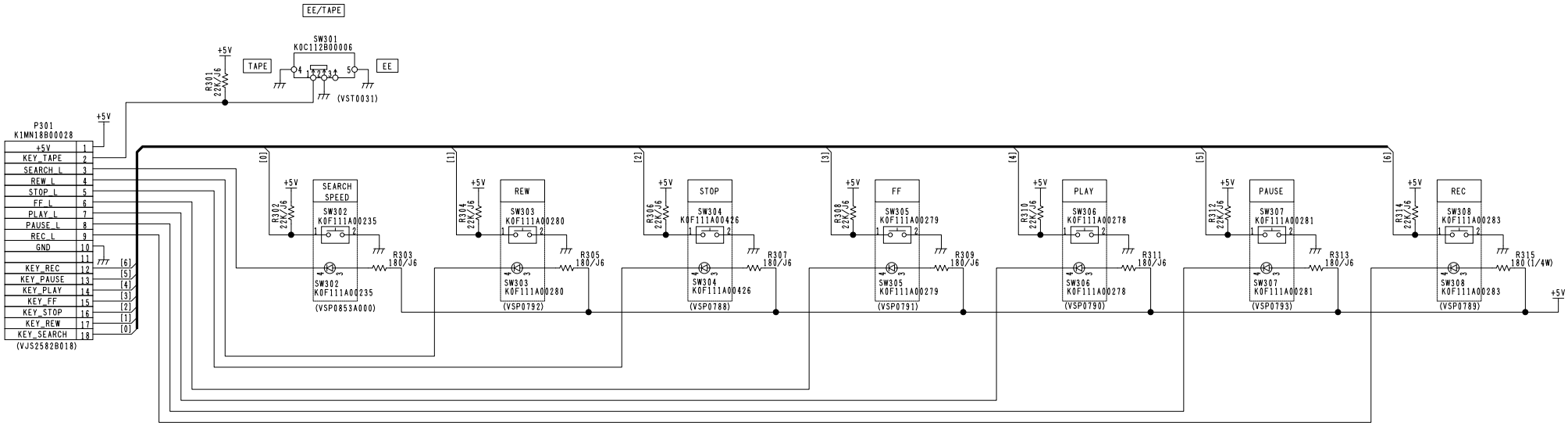
COMPONENT NAME	FRONT	01/3
CIRCUIT BOARD NO.		DRAWING NO.
VEP86343A		KR 6A0116(1/3)
		SCM076



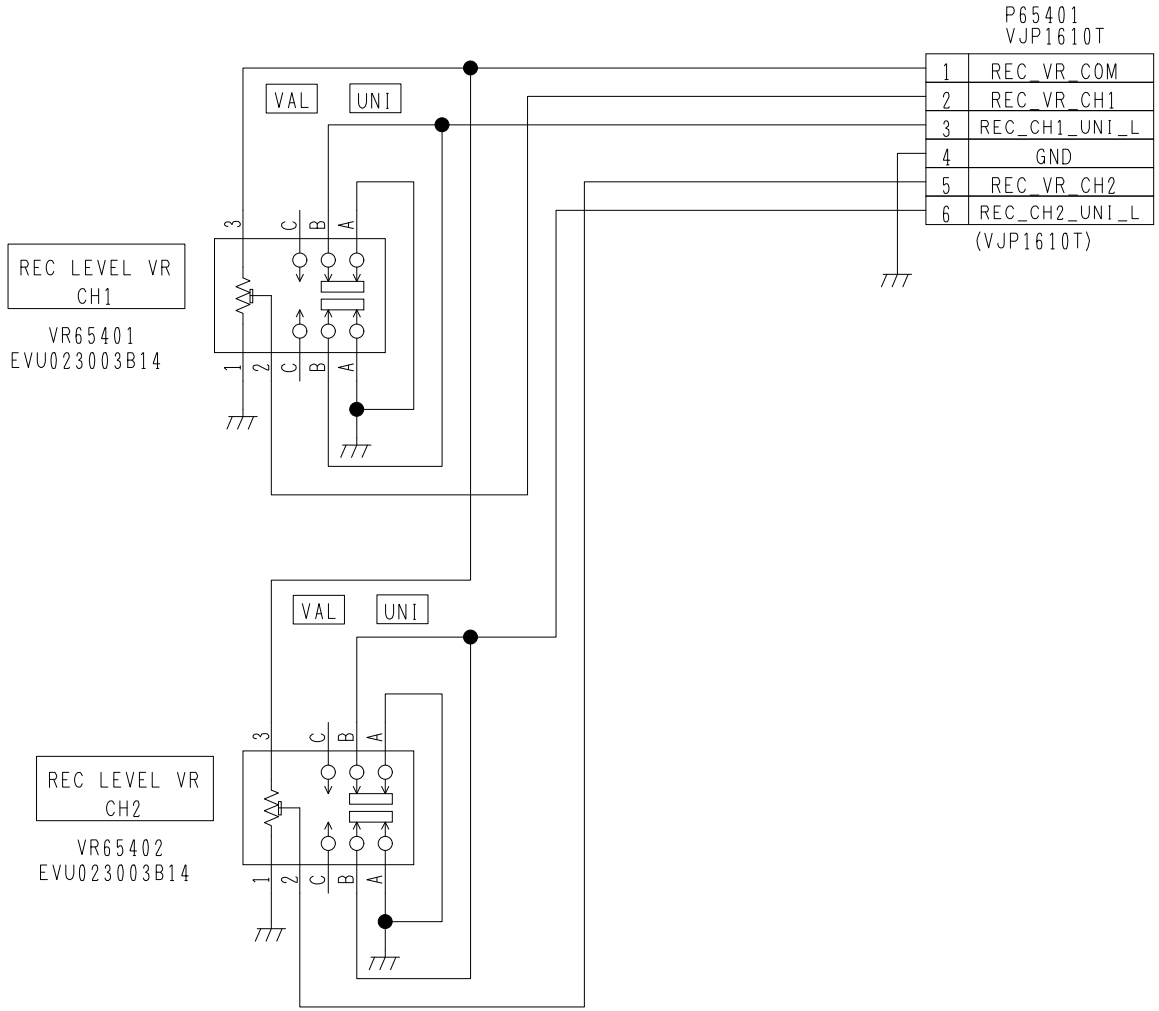
COMPONENT NAME	FRONT	02/3
CIRCUIT BOARD NO.		DRAWING NO.
VEP86343A		KR 6A0116(2/3)
		SCM077



COMPONENT NAME	FRONT	03/3
CIRCUIT BOARD NO.		DRAWING NO.
VEP86343A		KR 6A0116(3/3)
		SCM078

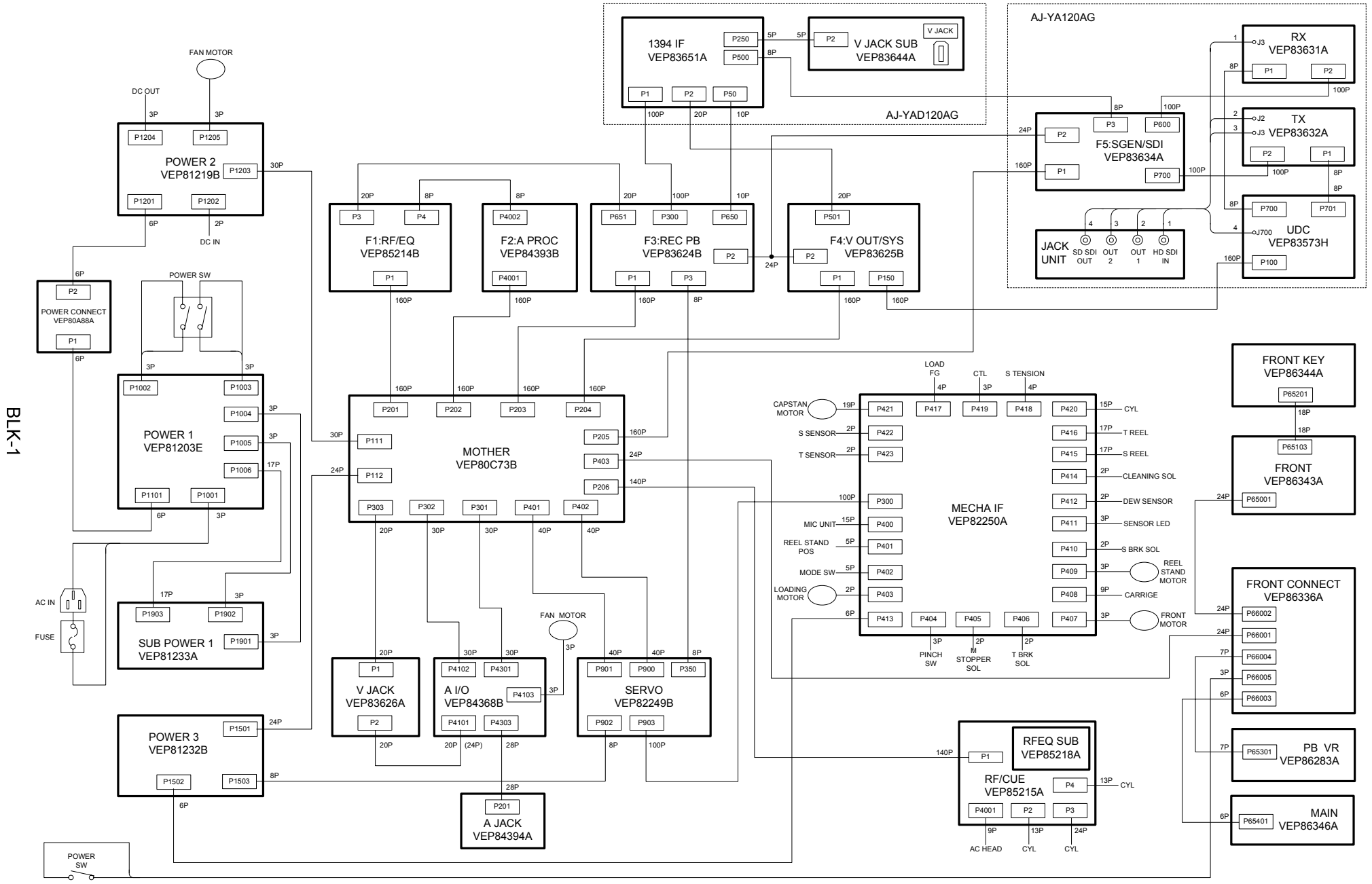


COMPONENT NAME	FRONT KEY	01/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP86344A		KR 6A0117(1/1)
		SCM079



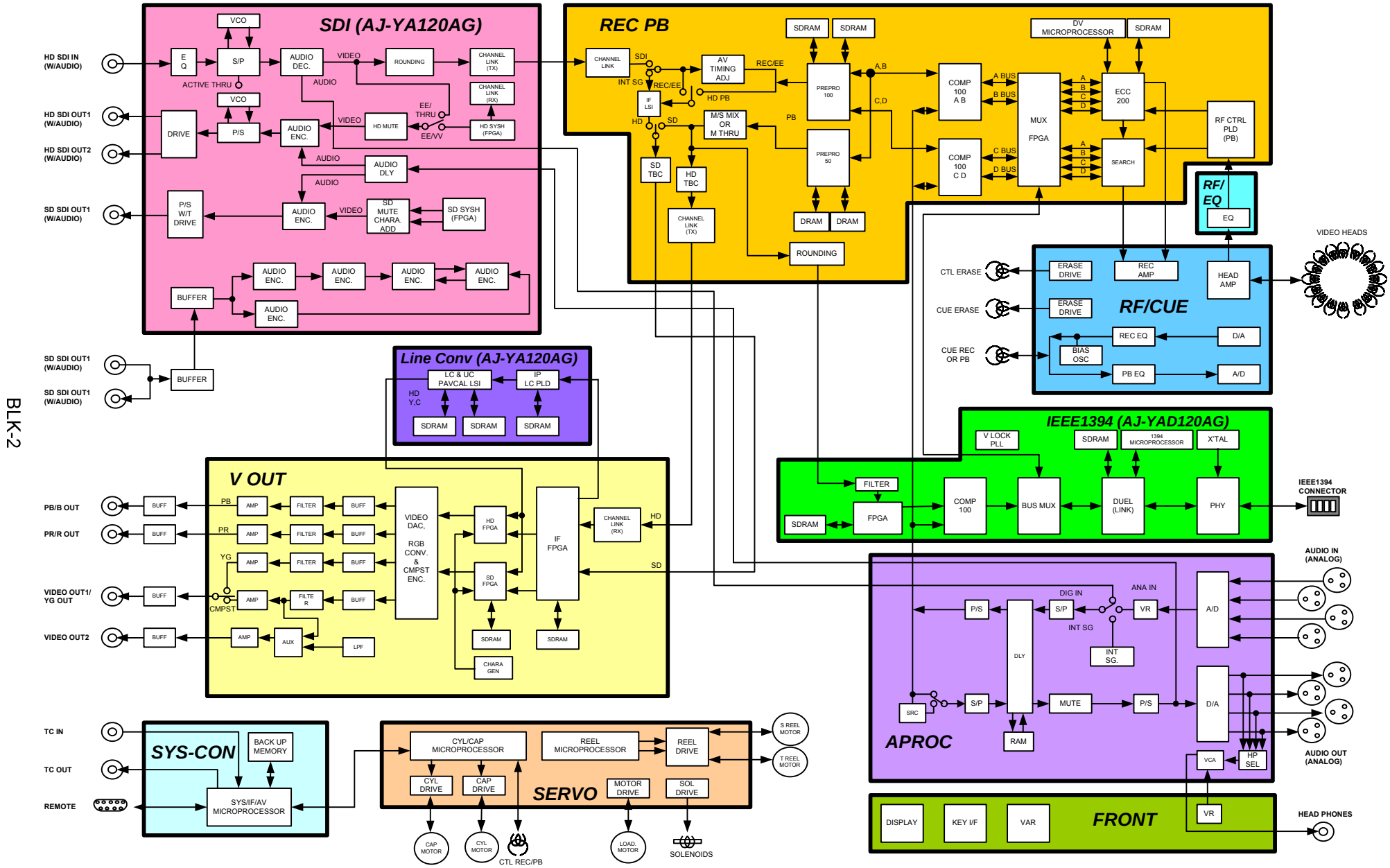
COMPONENT NAME	MAIN	01/1
CIRCUIT BOARD NO.		DRAWING NO.
VEP86346A		KR 6A0119(1/1)
		SCM100

INTERCONNECTION

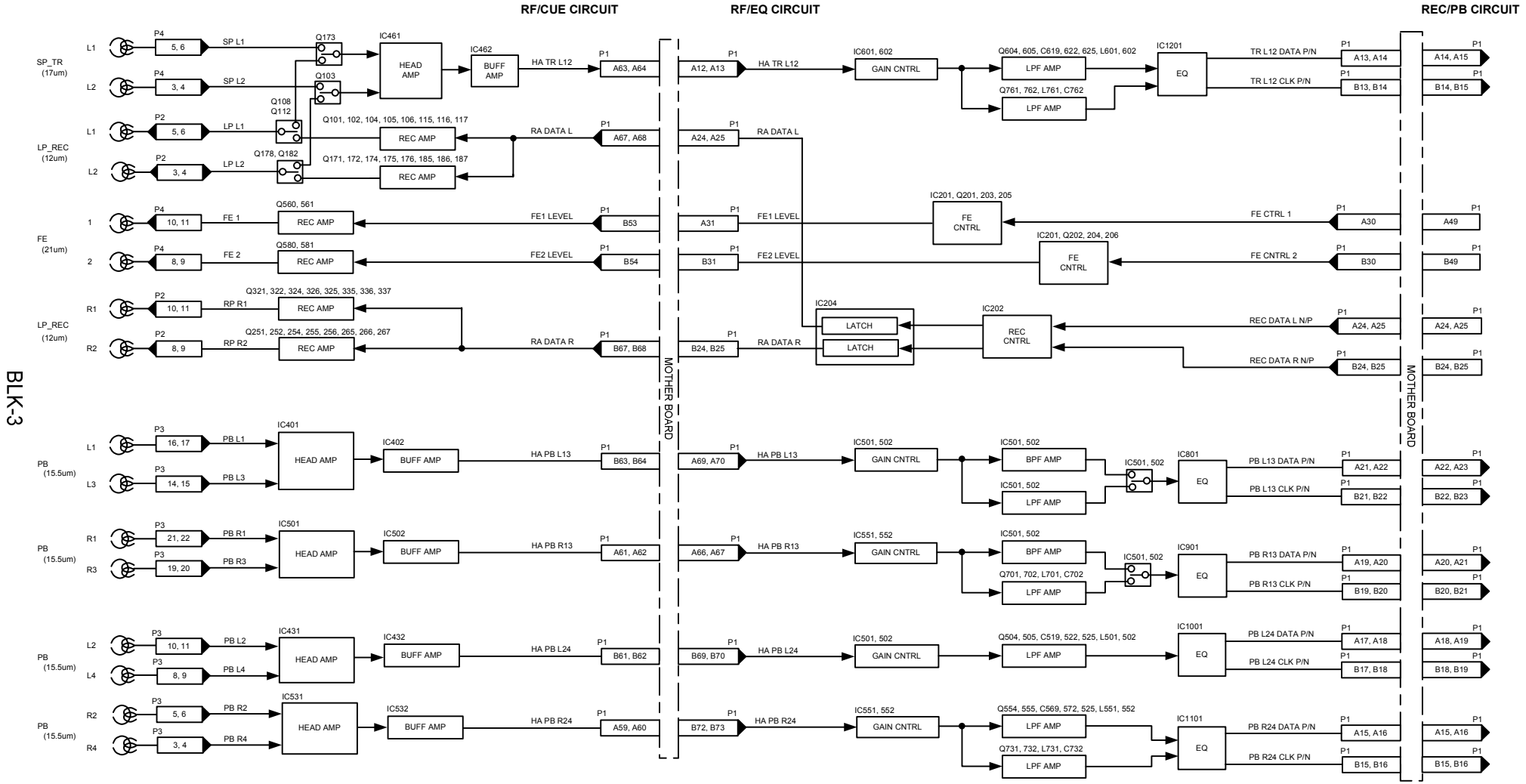


BLK-1

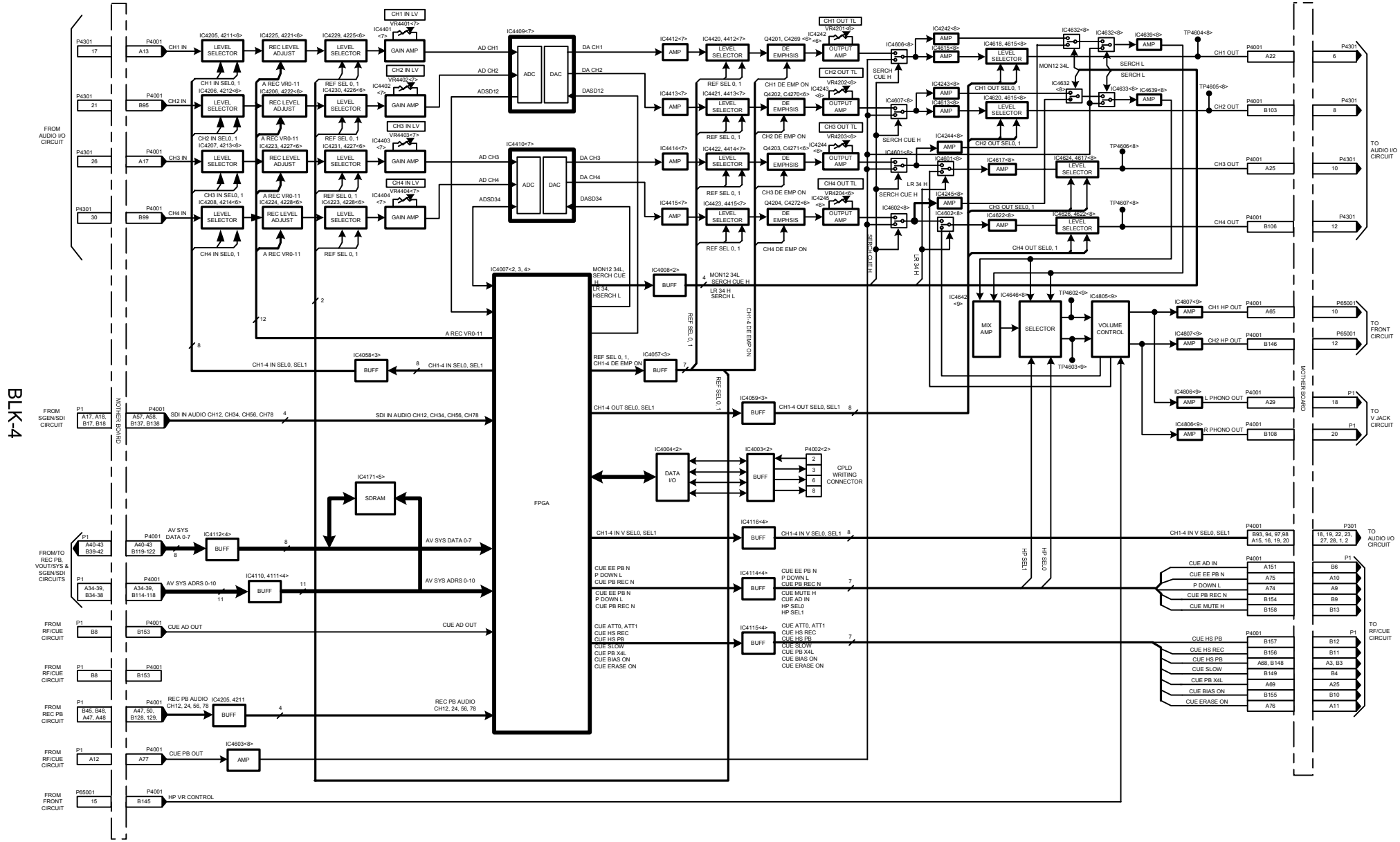
OVERALL BLOCK DIAGRAM



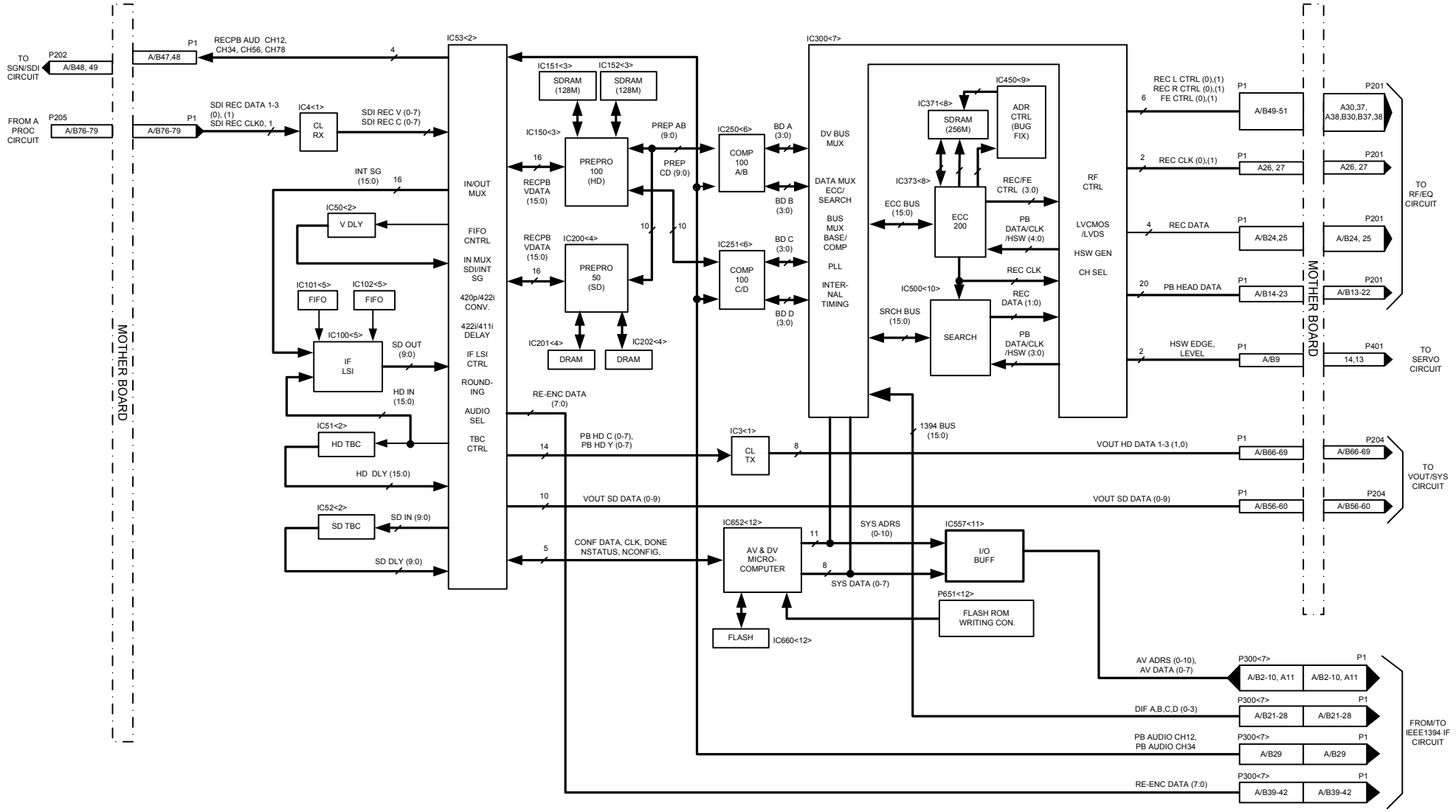
RF BLOCK DIAGRAM



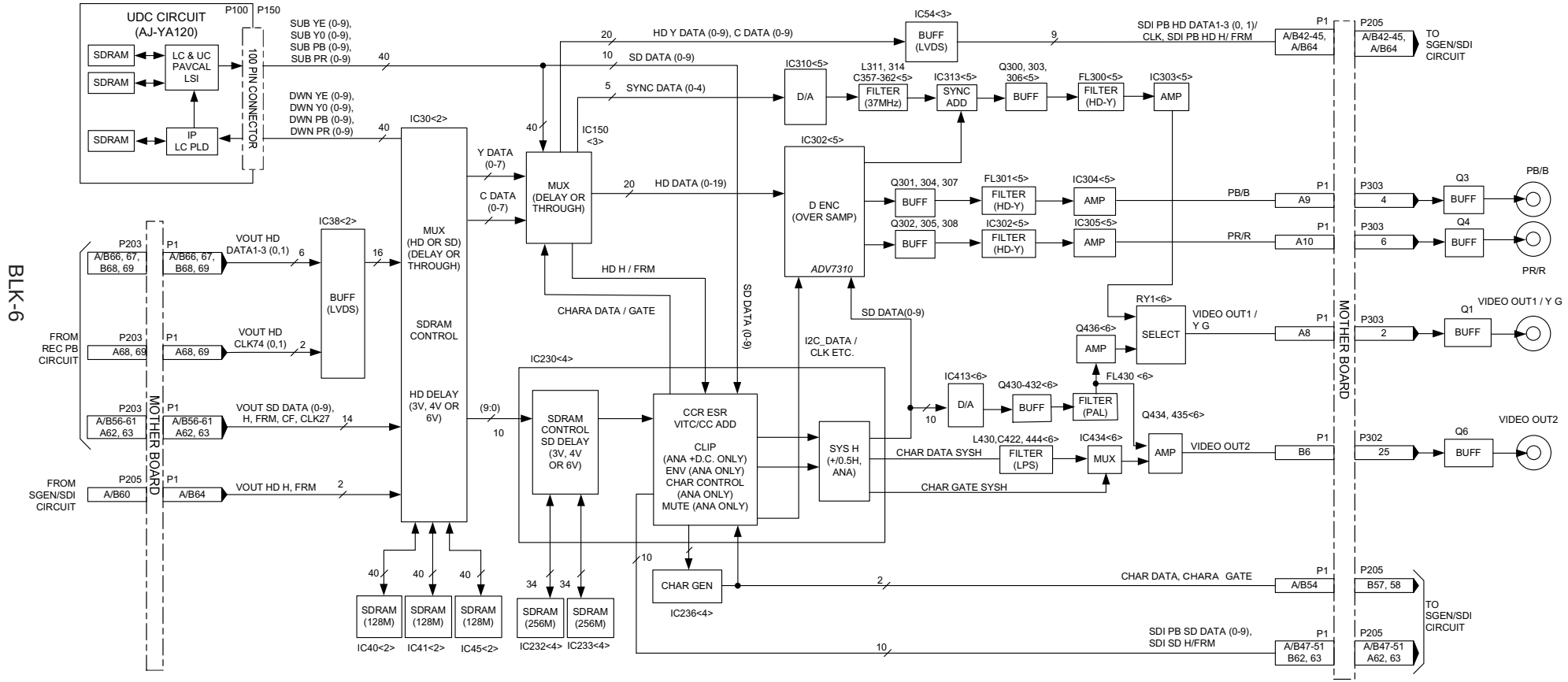
APROC BLOCK DIAGRAM



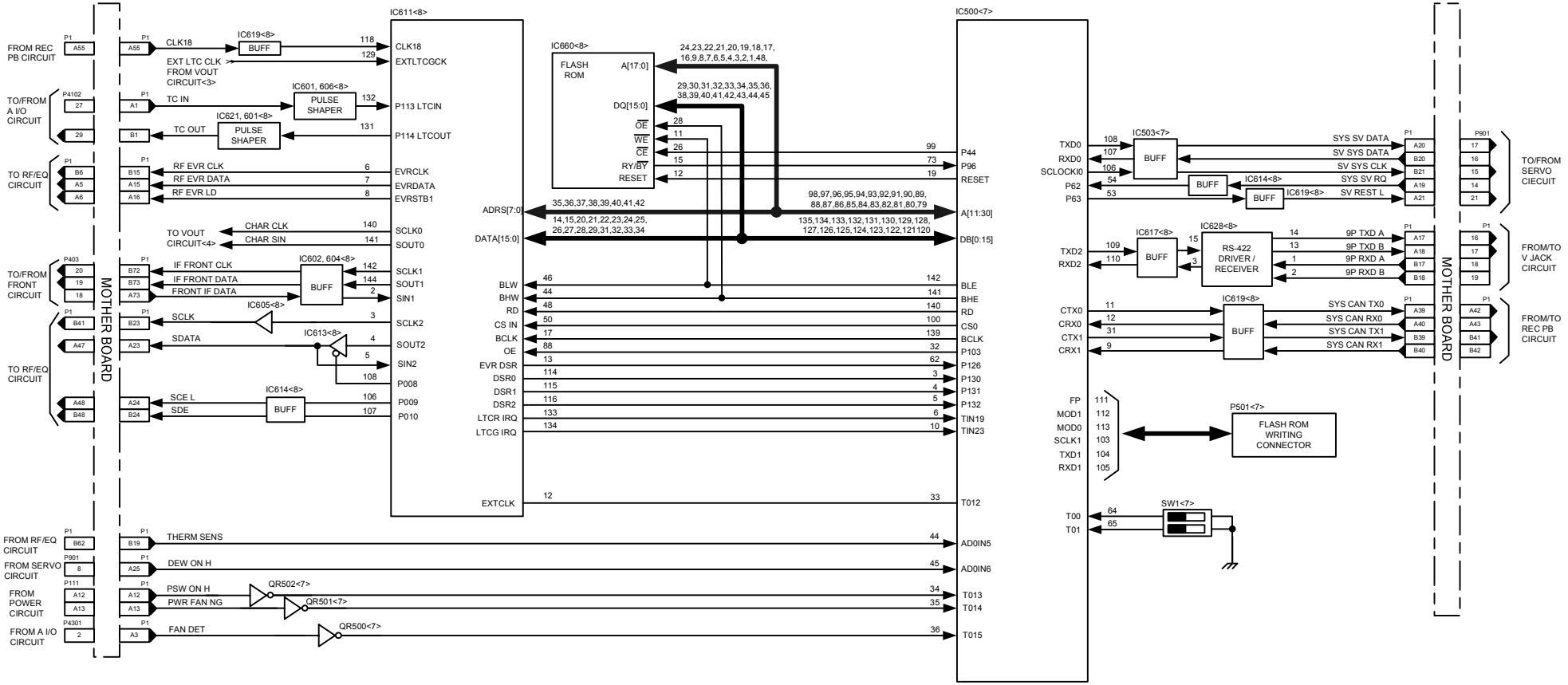
REC PB BLOCK DIAGRAM



V OUT BLOCK DIAGRAM

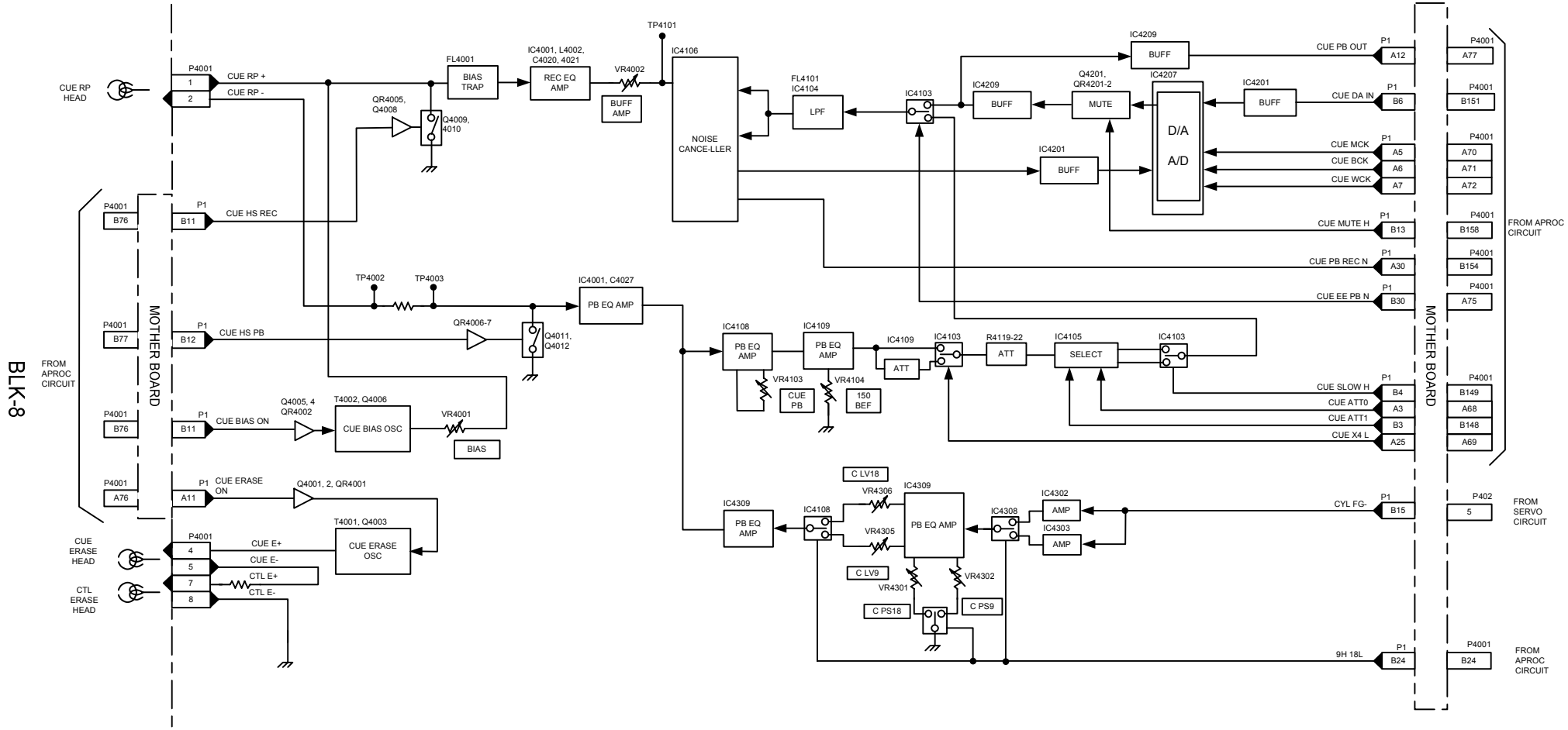


SYS CONTROL BLOCK DIAGRAM

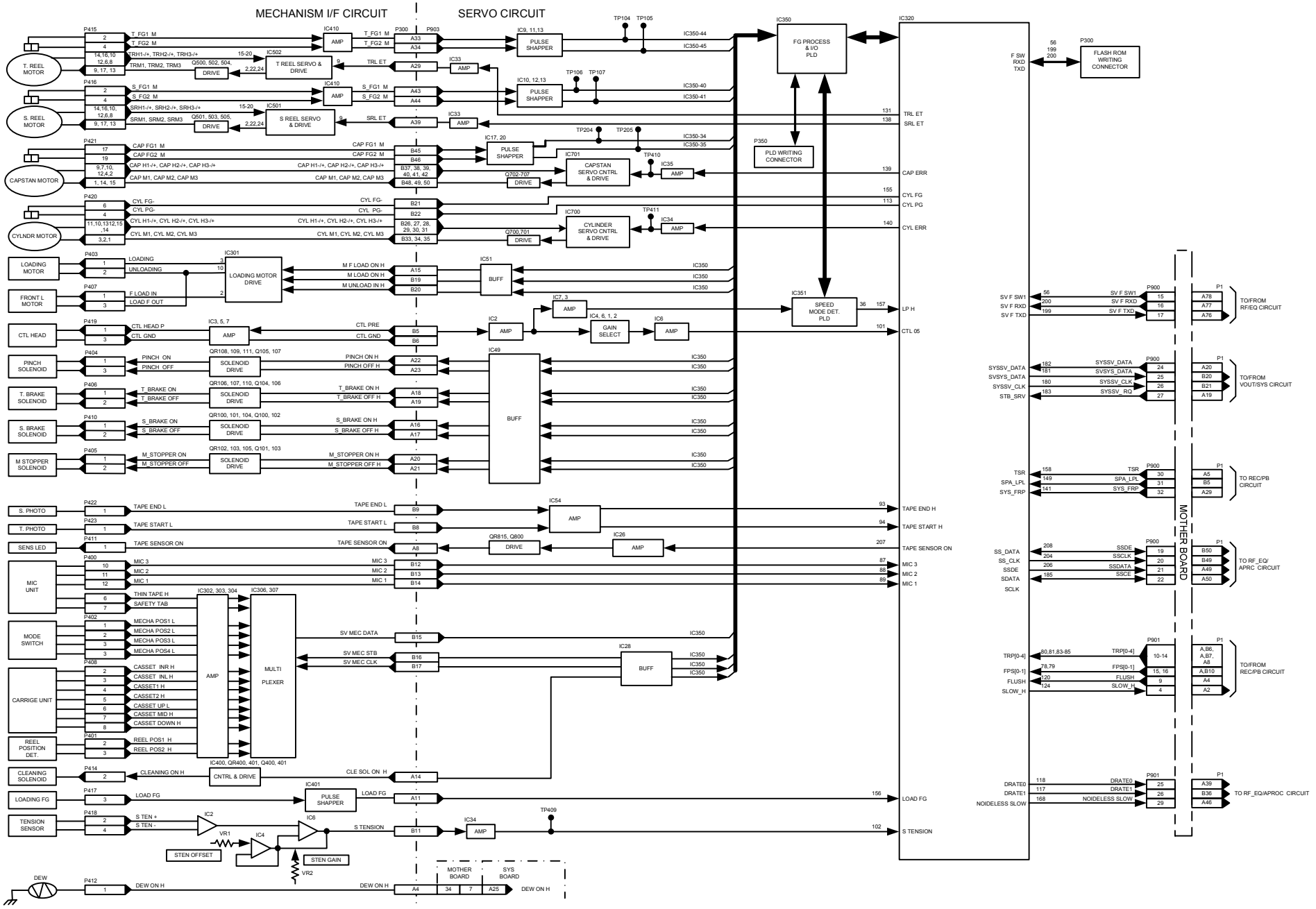


BLK-7

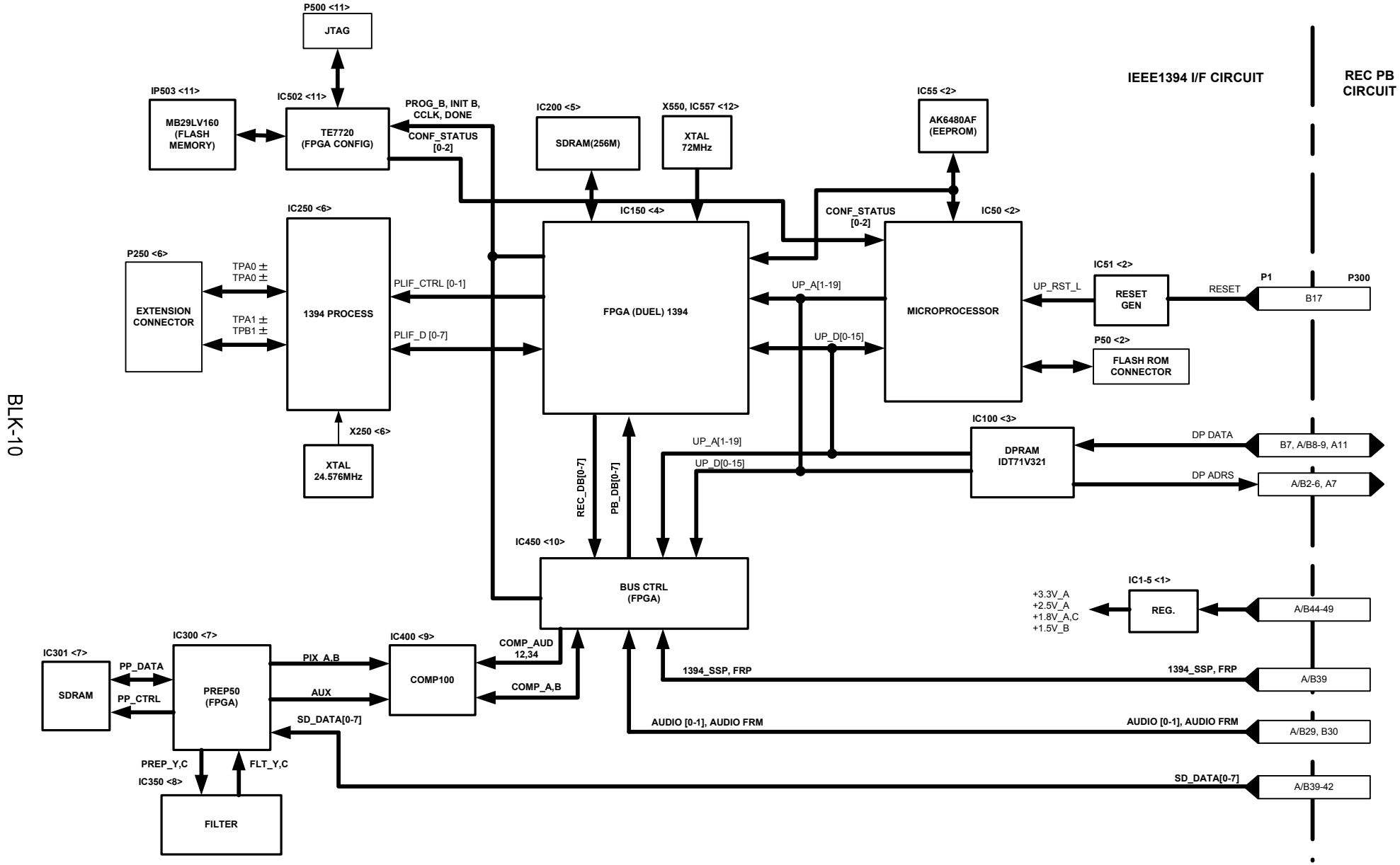
CUE AUDIO BLOCK DIAGRAM



SERVO BLOCK DIAGRAM

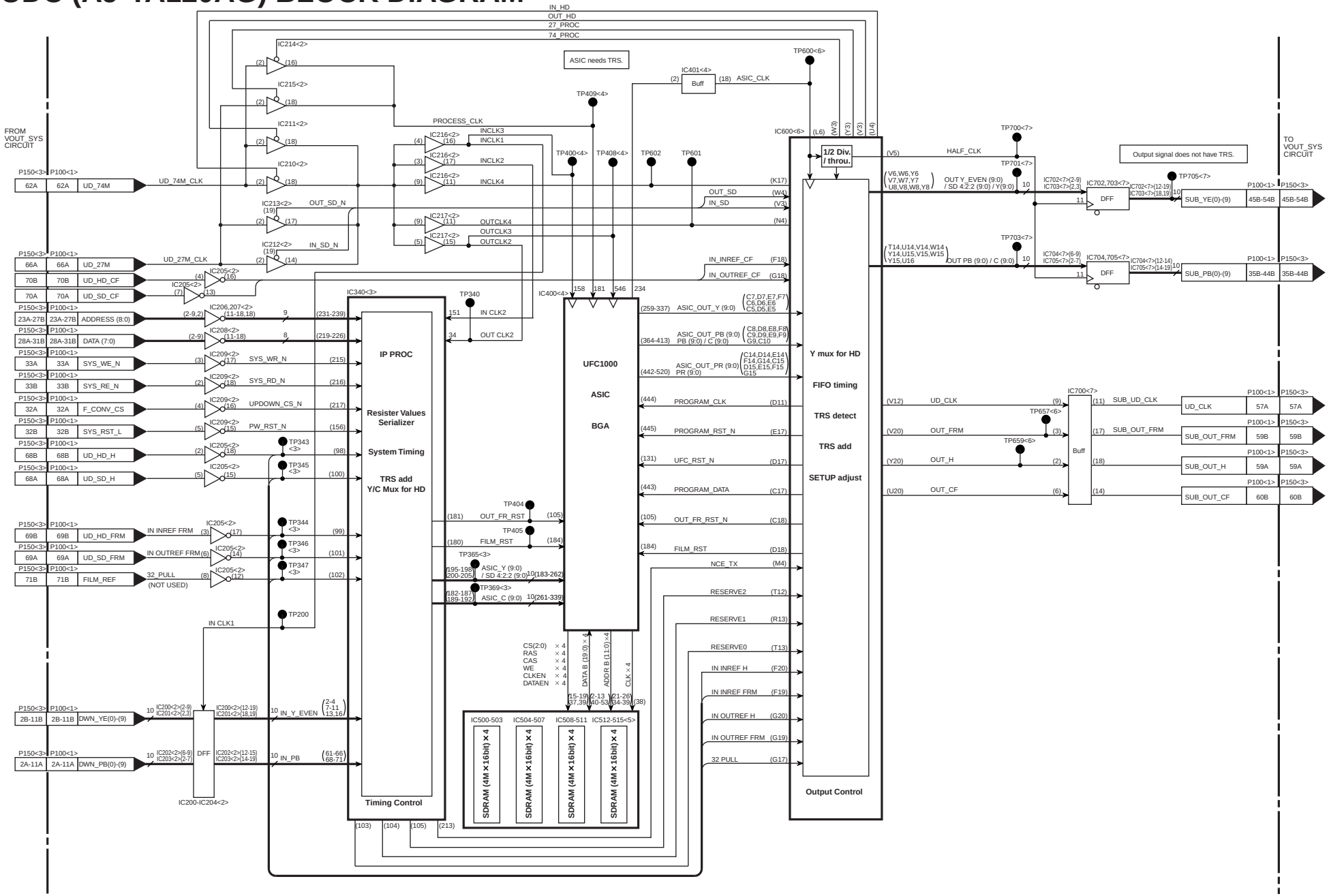


IEEE1394 I/F (AJ-YAD120AG) BLOCK DIAGRAM



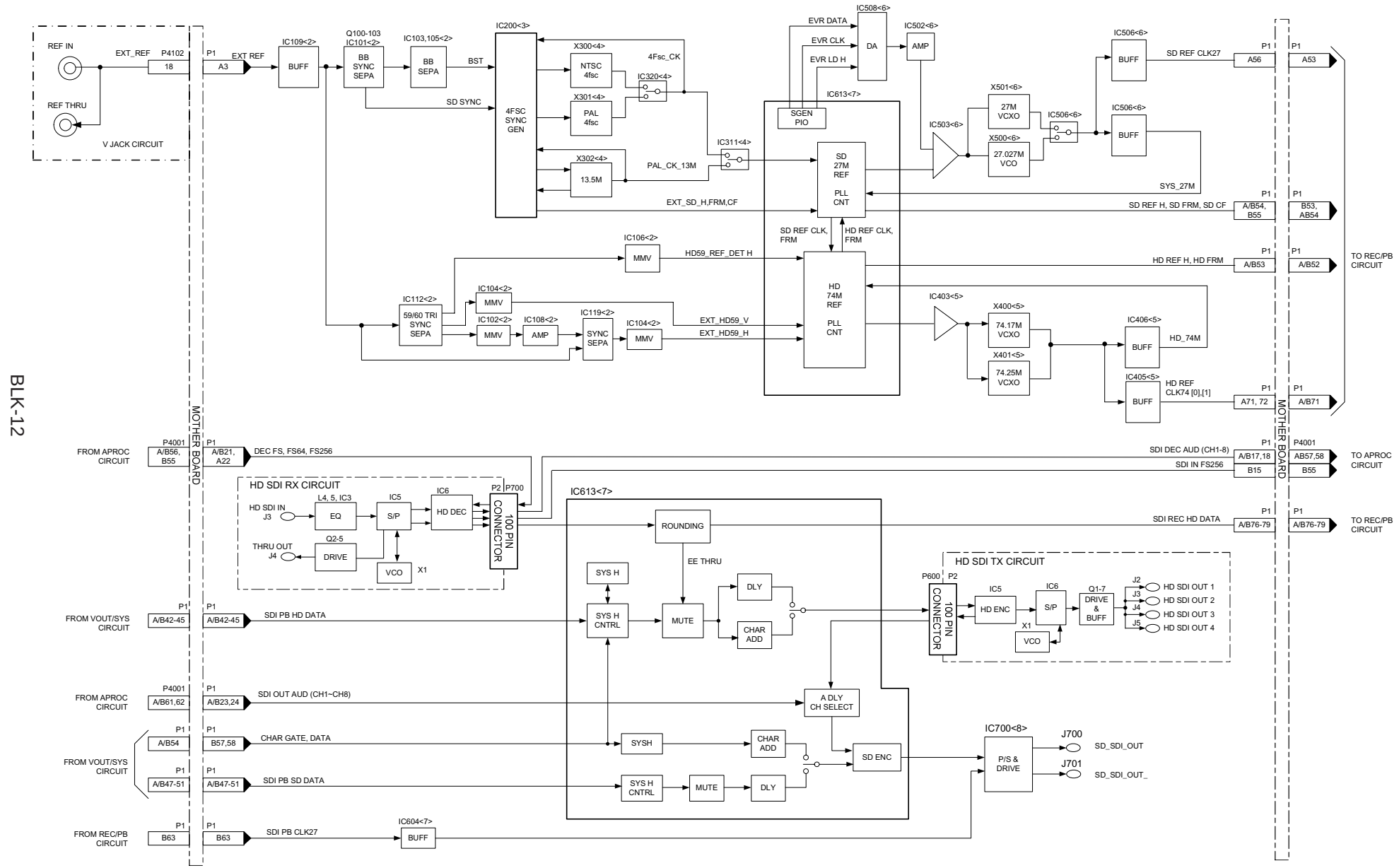
BLK-10

UDC (AJ-YA120AG) BLOCK DIAGRAM

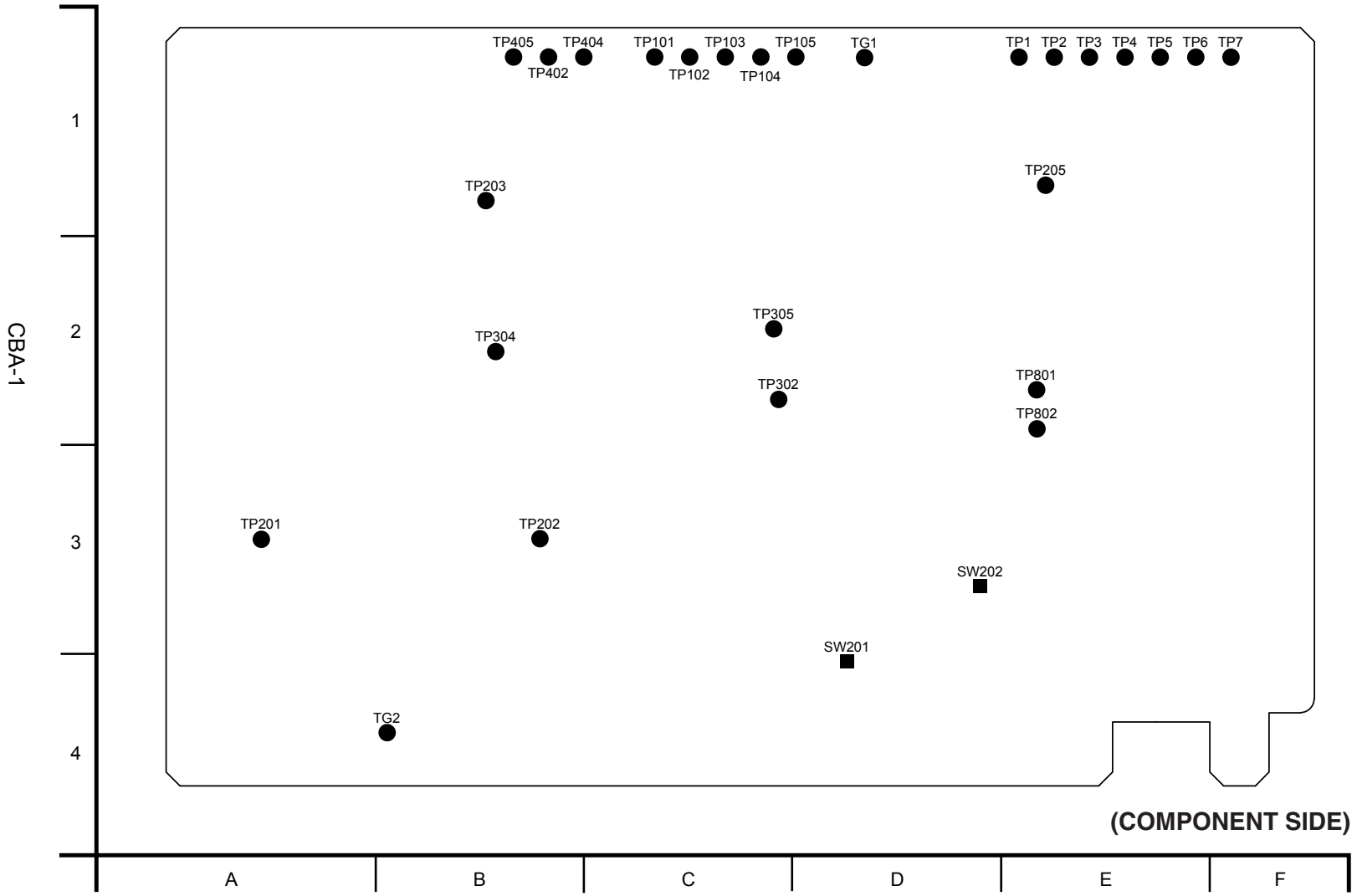


BLK-11

SGEN/SDI (AJ-YA120AG) BLOCK DIAGRAM

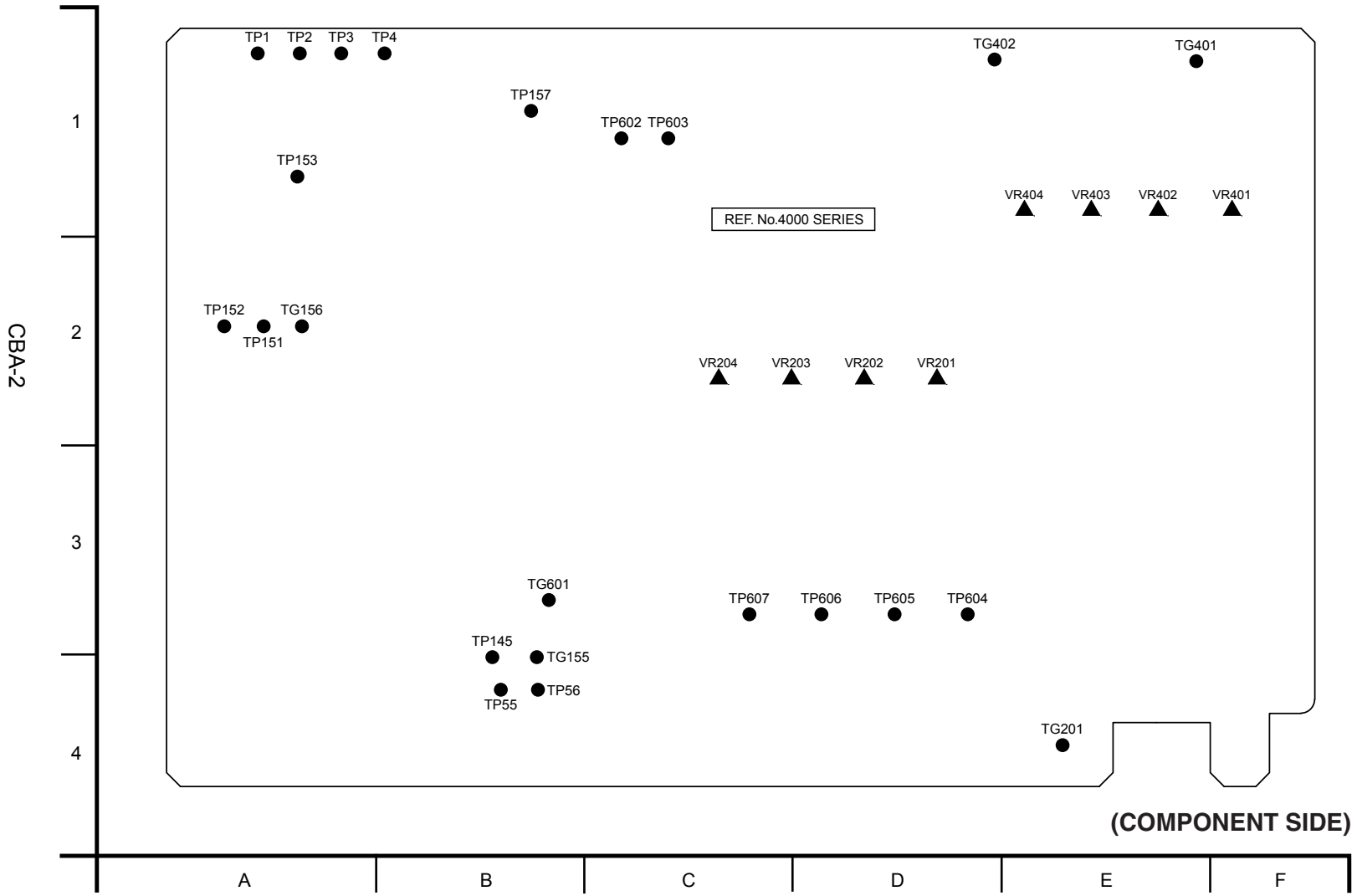


RF/EQ P.C.BOARD (VEP85214) [F1]



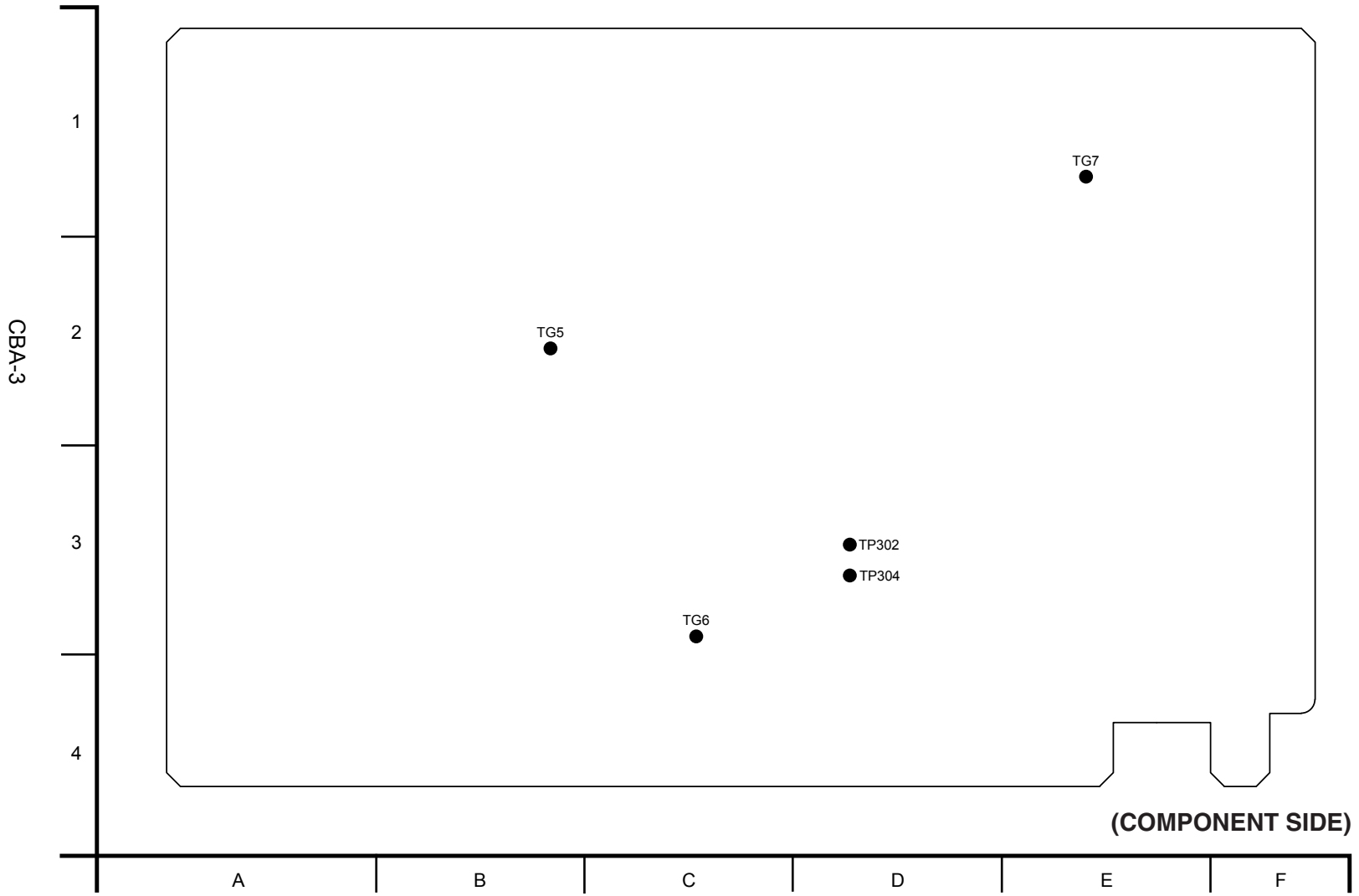
REF	LOC	REF	LOC
IC2	E1	Q201	D3
IC3	E2	Q202	D3
IC4	E1	Q306	B3
IC5	E1	Q307	B4
IC6	E2	Q406	C3
IC7	E2	Q407	C4
IC8	E2	Q507	B1
IC9	E1	Q557	C1
IC101	F1	Q607	D1
IC102	E1	Q702	C3
IC103	E1	Q732	B2
IC104	F2	Q762	D2
IC105	E2	Q802	E3
IC106	F2	Q803	E3
IC107	F1	QR1302	F3
IC203	D3	QR1303	F3
IC206	D4	QR1304	E3
IC301	B3	QR1305	E3
IC302	B3	QR1306	E3
IC351	A4	QR1307	E3
IC401	C3	QR1308	F3
IC402	C3	QR1309	F3
IC451	C4	QR1310	F3
IC501	A1		
IC502	B1		
IC551	C1	SW201	D4
IC552	C1	SW202	D3
IC601	D1		
IC602	D1		
IC701	D3	TG1	D1
IC731	B2	TG2	B4
IC761	D2	TP1	E1
IC801	B3	TP2	E1
IC805	D2	TP3	E1
IC806	D2	TP4	E1
IC901	C3	TP5	E1
IC904	A2	TP6	E1
IC1001	B2	TP7	F1
IC1101	C2	TP101	C1
IC1201	D2	TP102	C1
IC1301	F3	TP103	C1
IC1303	E3	TP104	C1
IC1304	E3	TP105	D1
IC1305	E3	TP201	A3
		TP202	B3
		TP203	B1
P1	C4	TP204	C1
P2	E3	TP205	E1
P3	B1	TP302	C2
P4	A1	TP304	B2
		TP305	C2
		TP402	B1
		TP404	C1
		TP405	B1
		TP801	E2
		TP802	E2

APROC P.C.BOARD (VEP84393) [F2]



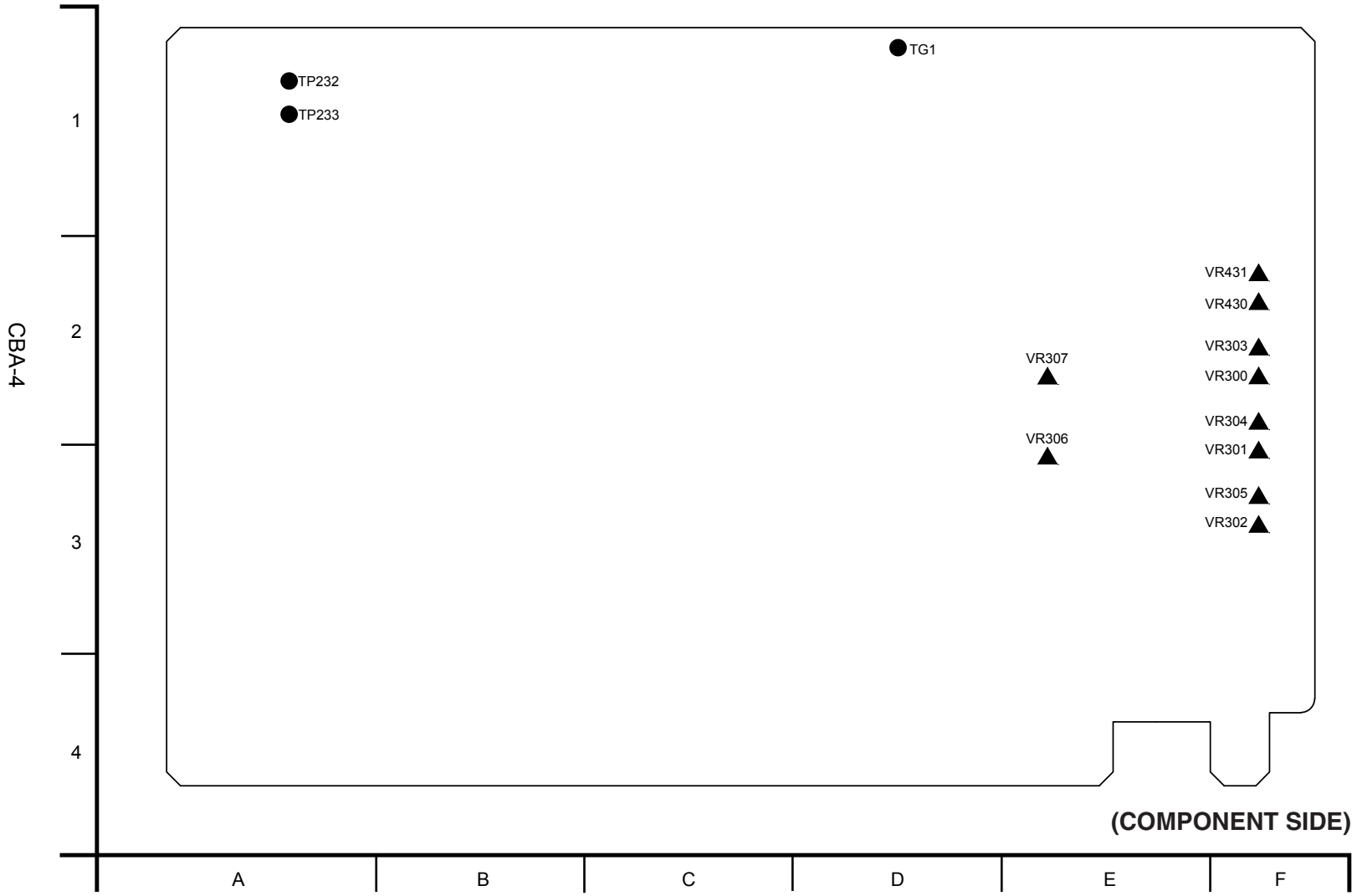
REF	LOC	REF	LOC
IC4004	A1	P4001	C4
IC4005	A1	P4002	B1
IC4007	B3		
IC4058	B2		
IC4059	B3	Q4604	C4
IC4109	B3	QR4601	C4
IC4110	A3	QR4602	C4
IC4111	A3		
IC4112	B3		
IC4163	B2	TG4155	B4
IC4167	A4	TG4156	A2
IC4169	B1	TG4157	B1
IC4170	B2	TG4201	E4
IC4171	A3	TG4401	E1
IC4172	B1	TG4402	D1
IC4173	A4	TG4601	B3
IC4205	F3	TP4001	A1
IC4206	E3	TP4002	A1
IC4207	E3	TP4003	A1
IC4208	E3	TP4004	B1
IC4221	F3	TP4055	B4
IC4222	E3	TP4056	B4
IC4223	E3	TP4151	A2
IC4224	E3	TP4152	A2
IC4225	F2	TP4153	A1
IC4226	E2	TP4154	B4
IC4227	E2	TP4602	C1
IC4228	E2	TP4603	C1
IC4409	E1	TP4604	D3
IC4410	D1	TP4605	D3
IC4411	C1	TP4606	D3
IC4601	D3	TP4607	C3
IC4602	C3		
IC4603	D4		
IC4606	D3	VR4201	D2
IC4607	D3	VR4202	D2
IC4613	D3	VR4203	C2
IC4615	D3	VR4204	C2
IC4617	C3	VR4401	F1
IC4618	D3	VR4402	E1
IC4620	D3	VR4403	E1
IC4622	C3	VR4404	E1
IC4624	D3		
IC4626	C3		
IC4639	C1		
IC4642	C1		
IC4646	C1		
IC4805	C2		

REC PB P.C.BOARD (VEP83624) [F3]



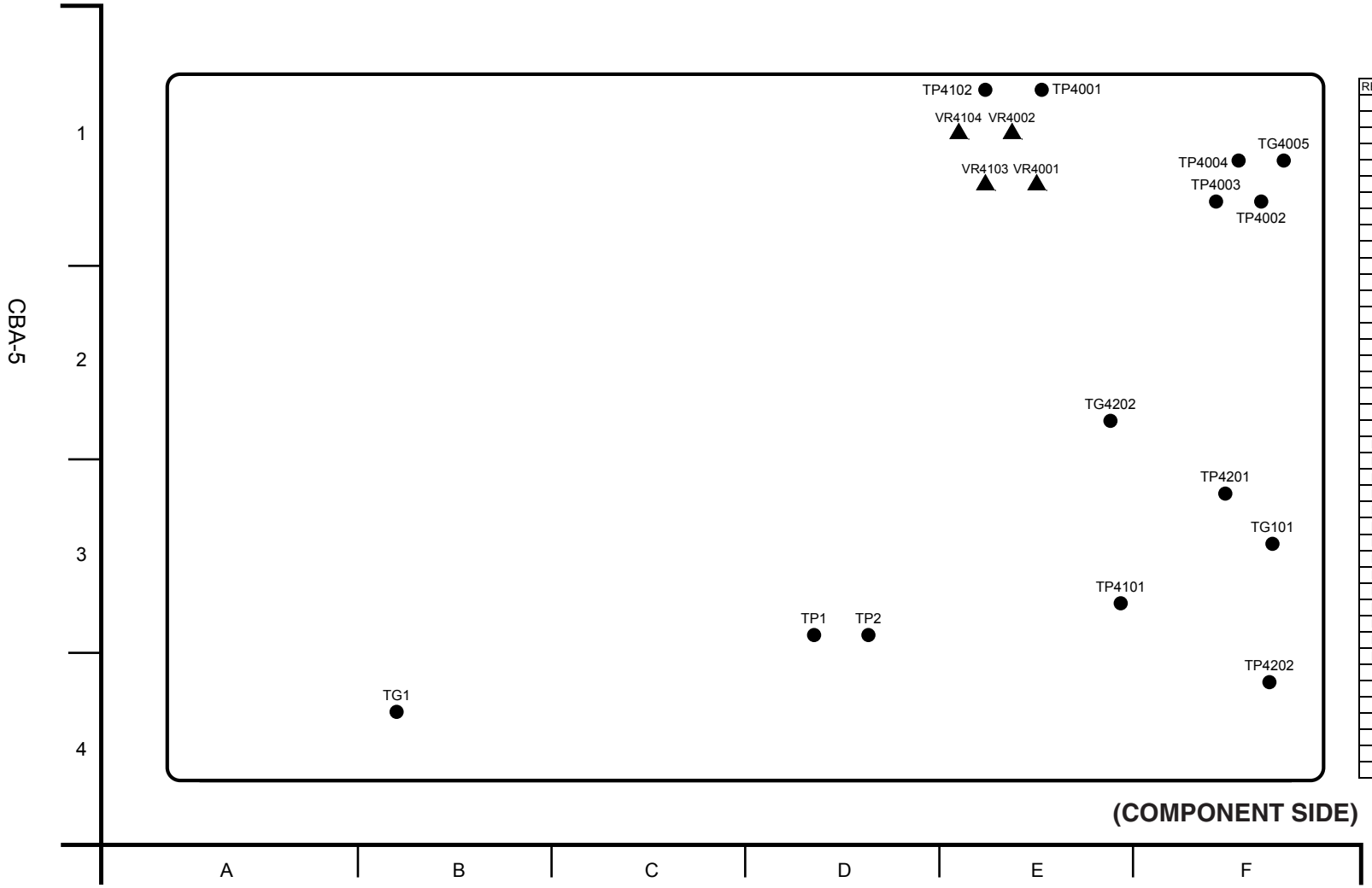
REF	LOC
IC1	B3
IC2	C4
IC3	B3
IC4	B3
IC53	C3
IC100	C2
IC150	A2
IC157	A2
IC158	D3
IC250	B1
IC251	A1
IC300	D2
IC370	F3
IC372	F3
IC373	E2
IC450	E1
IC500	E3
IC556	A4
IC558	D4
IC559	D4
IC560	D4
IC561	C4
IC660	D1
P1	C4
P2	E3
P3	E1
P300	D1
P651	E1
TG5	B2
TG6	C3
TG7	E1
TP302	D3
TP304	D3

V OUT SYS P.C.BOARD (VEP83625) [F4]



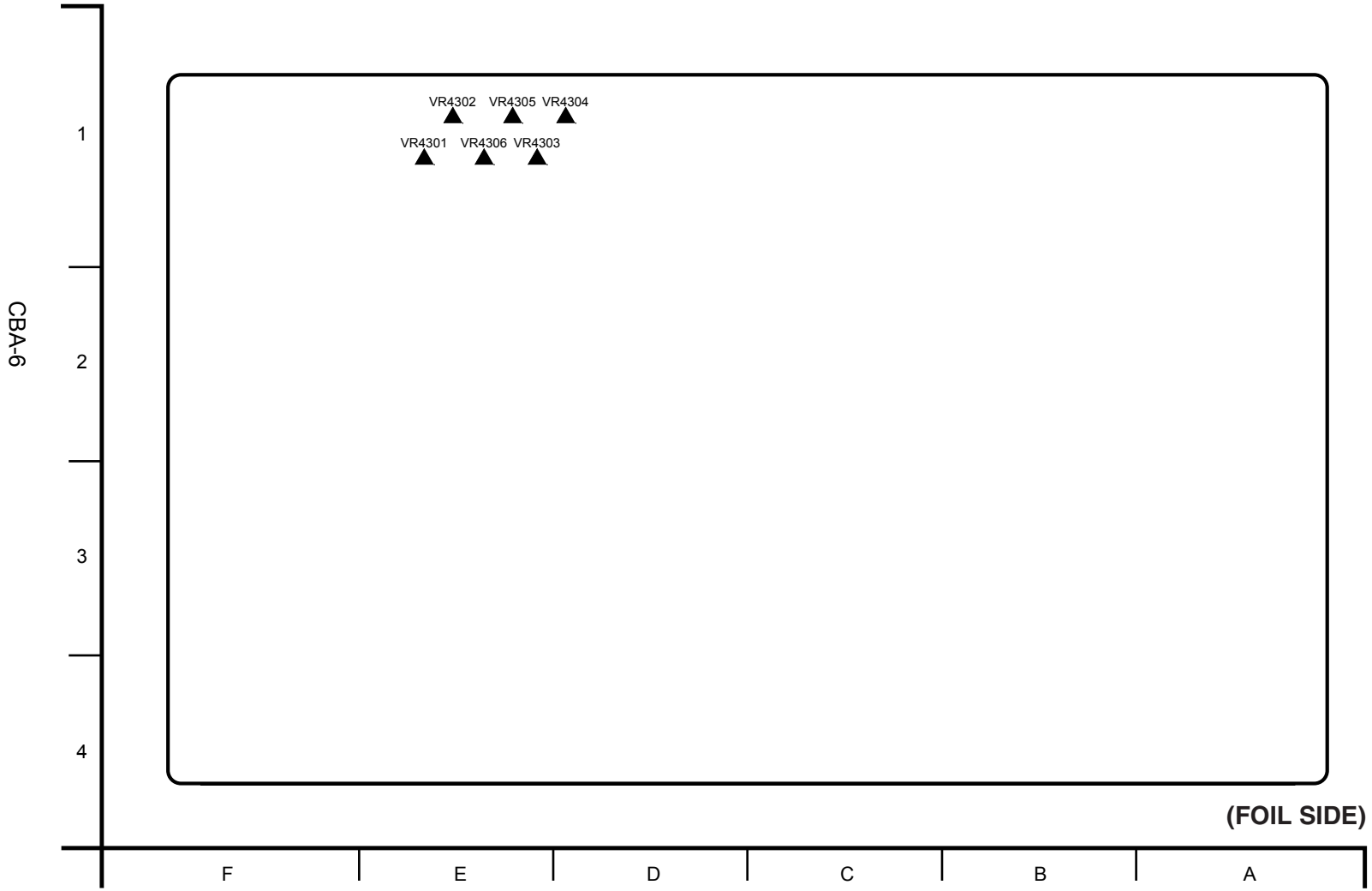
REF	LOC	REF	LOC
IC30	B3	Q304	E2
IC31	C3	Q305	E3
IC33	C3	Q433	E1
IC36	B4	QR500	D2
IC40	A3	QR501	D2
IC41	A2	QR503	D1
IC42	B4		
IC45	A3		
IC150	C2	SW1	E1
IC230	B1		
IC232	A1		
IC302	D1	TG1	D1
IC306	E3	TP232	A1
IC307	F3	TP233	A1
IC310	D3		
IC312	E3		
IC431	E1	VR300	F2
IC500	D1	VR301	F3
IC504	D1	VR302	F3
IC601	E4	VR303	F2
IC604	D2	VR304	F2
IC605	D2	VR305	F3
IC610	D4	VR306	E3
IC611	D3	VR307	E2
IC628	D4	VR430	F2
IC629	E4	VR431	F2
P1	C4		
P2	E3		
P500	A1		
P501	B1		

RF/CUE P.C.BOARD (VEP85215)



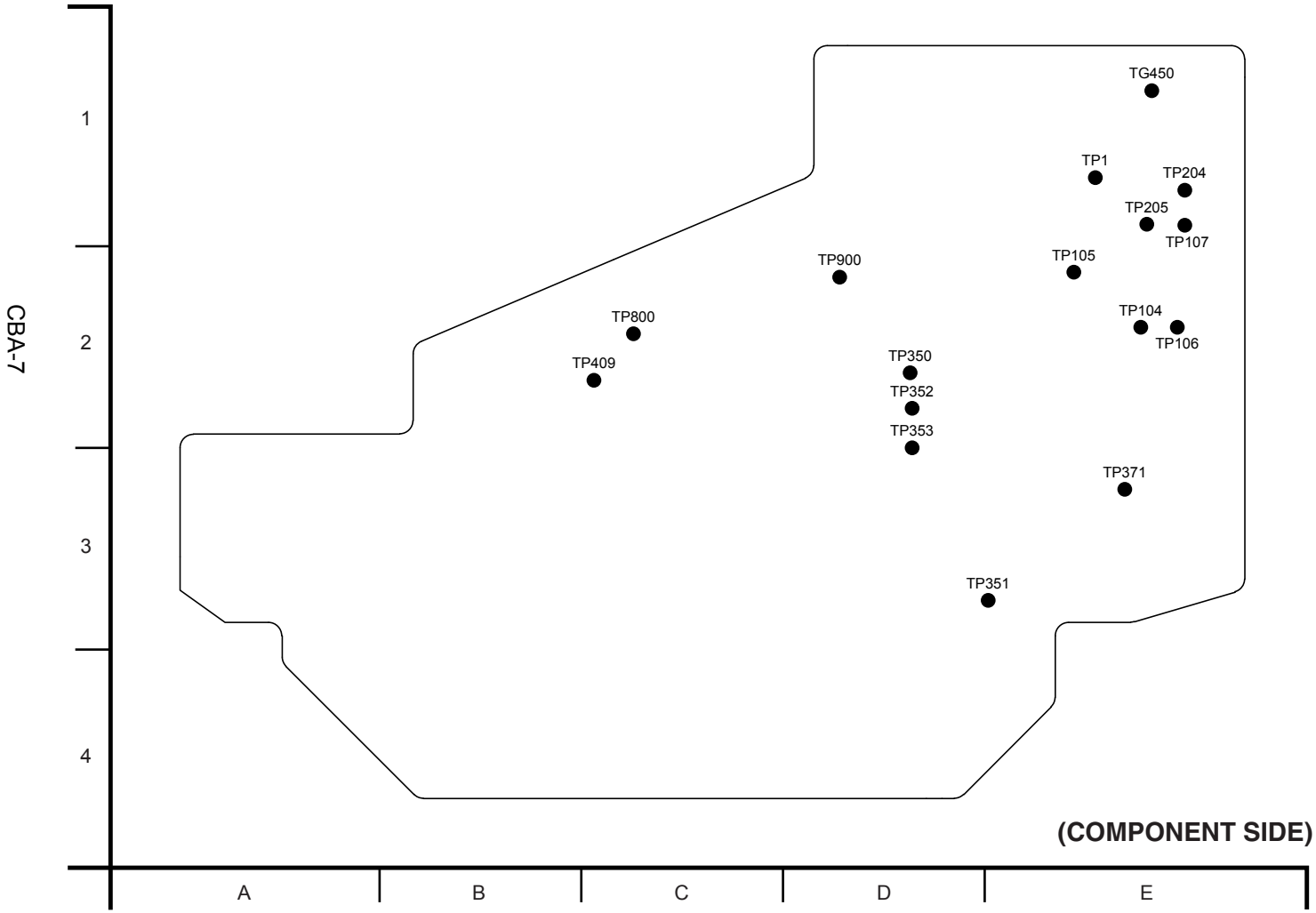
REF	LOC	REF	LOC	REF	LOC
IC1	D1	Q1	C2	Q464	B1
IC2	C1	Q2	D1	Q501	B3
IC3	C1	Q3	C1	Q502	B3
IC4	C1	Q4	C2	Q531	C3
IC5	D1	Q5	D1	Q560	D3
IC7	C2	Q6	D1	Q561	D3
IC8	C2	Q7	C2	Q580	D3
IC9	C1	Q8	D2	Q581	D3
IC10	C2	Q9	C2	Q601	D2
IC11	C2	Q106	B1	Q602	D2
IC12	C2	Q107	C1	Q4201	F3
IC401	B4	Q108	C1	QR601	D2
IC402	A4	Q110	B1	QR602	D2
IC431	C3	Q111	C1	QR4201	F3
IC432	C2	Q112	C1	QR4202	F3
IC461	B1	Q114	B1		
IC462	B1	Q116	B1		
IC501	B3	Q176	B2	TG1	B4
IC502	A3	Q177	C2	TG4005	F1
IC531	C3	Q178	C1	TG4101	F3
IC532	C3	Q180	B2	TG4203	E2
IC4102	E4	Q181	C2	TP1	D3
IC4103	E3	Q182	C1	TP2	D3
IC4104	E3	Q184	B2	TP4001	E1
IC4106	E4	Q186	B2	TP4002	F1
IC4108	E1	Q256	B2	TP4003	F1
IC4109	D1	Q257	C2	TP4004	F1
IC4201	F3	Q260	B2	TP4101	E3
IC4203	F4	Q261	C2	TP4102	E1
IC4204	F4	Q264	B2	TP4201	F3
IC4205	F3	Q266	B2	TP4202	F4
IC4207	F3	Q326	B2		
IC4308	E2	Q327	C3		
IC4312	D2	Q330	B2	VR4001	E1
IC4313	E2	Q331	C2	VR4002	E1
		Q334	B3	VR4103	E1
		Q336	B3	VR4104	E1
P1	E4	Q401	B4		
P2	D1	Q402	B4		
P3	C3	Q431	C2		
P4	D4	Q461	B1		
P4001	E1	Q462	B1		

RF/CUE P.C.BOARD (VEP85215)



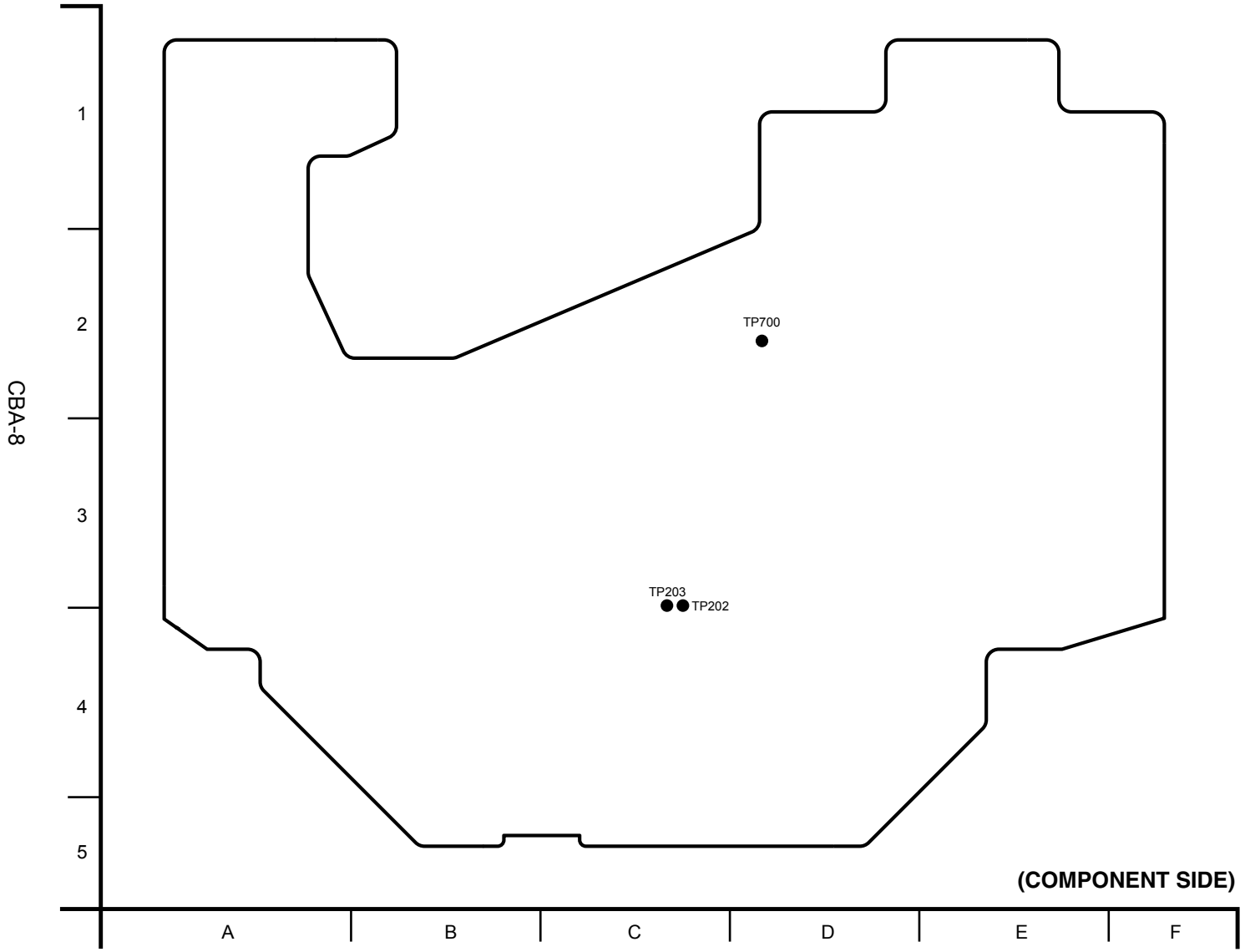
REF	LOC	REF	LOC
IC101	A2	Q322	A3
IC251	A2	Q324	A2
IC601	D2	Q325	B2
IC602	D2	Q329	B2
IC4001	E2	Q333	B3
IC4105	E3	Q335	B3
IC4107	E3	Q337	A3
IC4206	F3	Q403	B4
IC4209	F3	Q405	A4
IC4301	D3	Q435	C2
IC4302	E3	Q463	B1
IC4303	E2	Q465	A1
IC4309	E2	Q503	B3
IC4310	D2	Q505	A3
		Q535	C2
		Q4001	F2
Q101	A1	Q4002	F2
Q102	A1	Q4003	F2
Q103	C1	Q4004	F2
Q104	A1	Q4005	F2
Q105	B1	Q4006	F2
Q109	B1	Q4007	E2
Q113	B1	Q4008	E2
Q115	B1	Q4009	E2
Q117	A1	Q4010	E2
Q171	A2	Q4011	F1
Q172	A2	Q4012	F1
Q173	C1	QR4001	F2
Q174	A2	QR4002	F2
Q175	B2	QR4003	E2
Q179	B2	QR4004	E2
Q183	B2	QR4005	E2
Q185	B2	QR4006	F1
Q187	A2	QR4007	F1
Q251	A2		
Q252	A2		
Q254	A2	VR4301	E1
Q255	B2	VR4302	E1
Q259	B2	VR4303	E1
Q263	B2	VR4304	D1
Q265	B2	VR4305	E1
Q267	A2	VR4306	E1
Q321	A2		

SERVO P.C.BOARD (VEP82249)



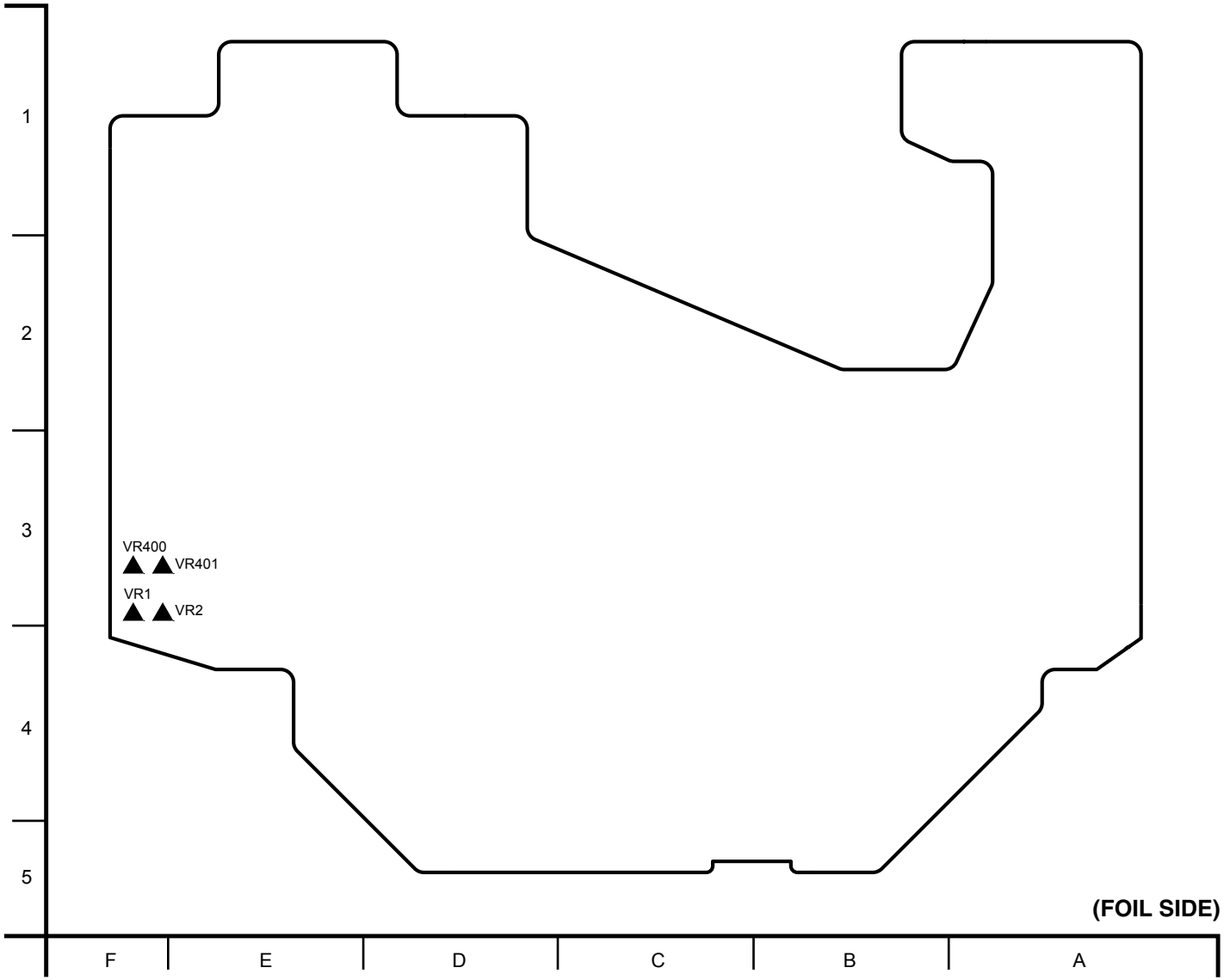
REF	LOC	REF	LOC
IC300	C1	QR400	A2
IC301	C1	QR401	A2
IC302	C2	QR402	A2
IC350	E2	QR700	D3
IC400	E3	QR701	D2
IC700	B3	QR702	D3
IC701	B3	QR703	D2
IC900	E2	QR800	B3
IC5001	E4	QR801	B3
IC5002	D4	QR802	B3
		QR803	D2
		QR804	C3
P300	C2	QR805	C2
P350	C1	QR806	C2
P900	E1	QR807	C2
P901	E2	QR808	C3
P902	A3	QR809	C3
		QR810	C2
		QR811	B3
Q450	A1	QR812	B3
Q451	A1	QR813	B3
Q700	B2	QR814	B3
Q701	B2	QR815	B4
Q702	E3	QR816	B3
Q703	E3	QR5001	E4
Q704	E3	QR5002	D4
Q705	E3	QR6001	C4
Q706	E3	QR6002	C4
Q707	E3		
Q800	B4		
Q801	B4	TG450	E1
Q802	B4	TP1	E1
Q5001	E4	TP104	E2
Q5002	D4	TP105	E2
Q5003	A3	TP106	E2
Q5004	E4	TP107	E1
Q5005	E4	TP204	E1
Q5006	D4	TP205	E1
Q6001	C4	TP350	D2
Q6002	C4	TP351	E3
QR1	C1	TP352	D2
QR2	B1	TP353	D2
QR3	D1	TP371	E3
QR4	D1	TP409	C2
QR9	B1	TP800	C2
		TP801	C2
		TP900	D2

MECHA IF P.C.BOARD (VEP82250)



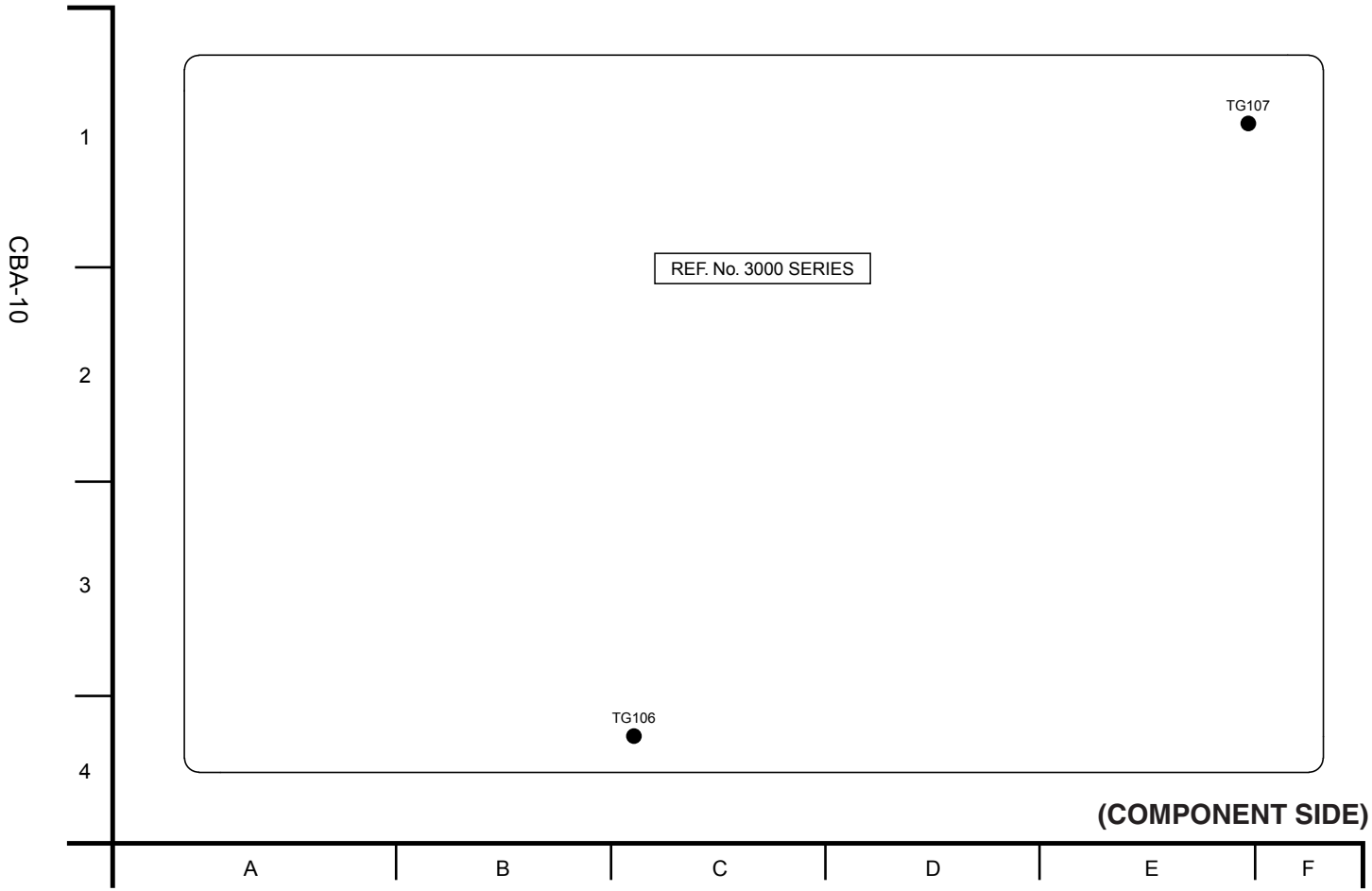
REF	LOC	REF	LOC
IC3	C3	Q1	C3
IC5	C3	Q100	E3
IC7	C3	Q101	A3
IC14	B2	Q102	E3
IC15	B3	Q300	E3
IC18	B3	Q301	D2
IC19	B3	Q500	D4
IC300	E3	Q501	B4
IC301	E3	Q502	D4
IC302	B3	Q703	D2
IC303	B3	Q704	D2
IC304	B3	Q705	D2
IC305	D3	QR100	E3
		QR101	E3
		QR102	A3
P300	C4	QR103	A3
P400	C5	QR104	E3
P401	C5	QR105	A3
P402	D2	QR106	A1
P403	F1	QR107	A1
P404	A1	QR108	A1
P405	A2	QR109	B1
P406	A3	QR110	A1
P407	E2	QR111	B1
P408	A3	QR400	E1
P409	E3	QR401	D1
P410	F3	QR700	D2
P411	C5	QR701	D2
P412	E1	QR702	D2
P413	A1	QR703	D2
P414	D1		
P415	D4		
P416	B4	TP202	C3
P417	E1	TP203	C3
P418	F2	TP700	D2
P419	C2		
P420	A2		
P421	A1		
P422	F2		
P423	A2		

MECHA IF P.C.BOARD (VEP82250)



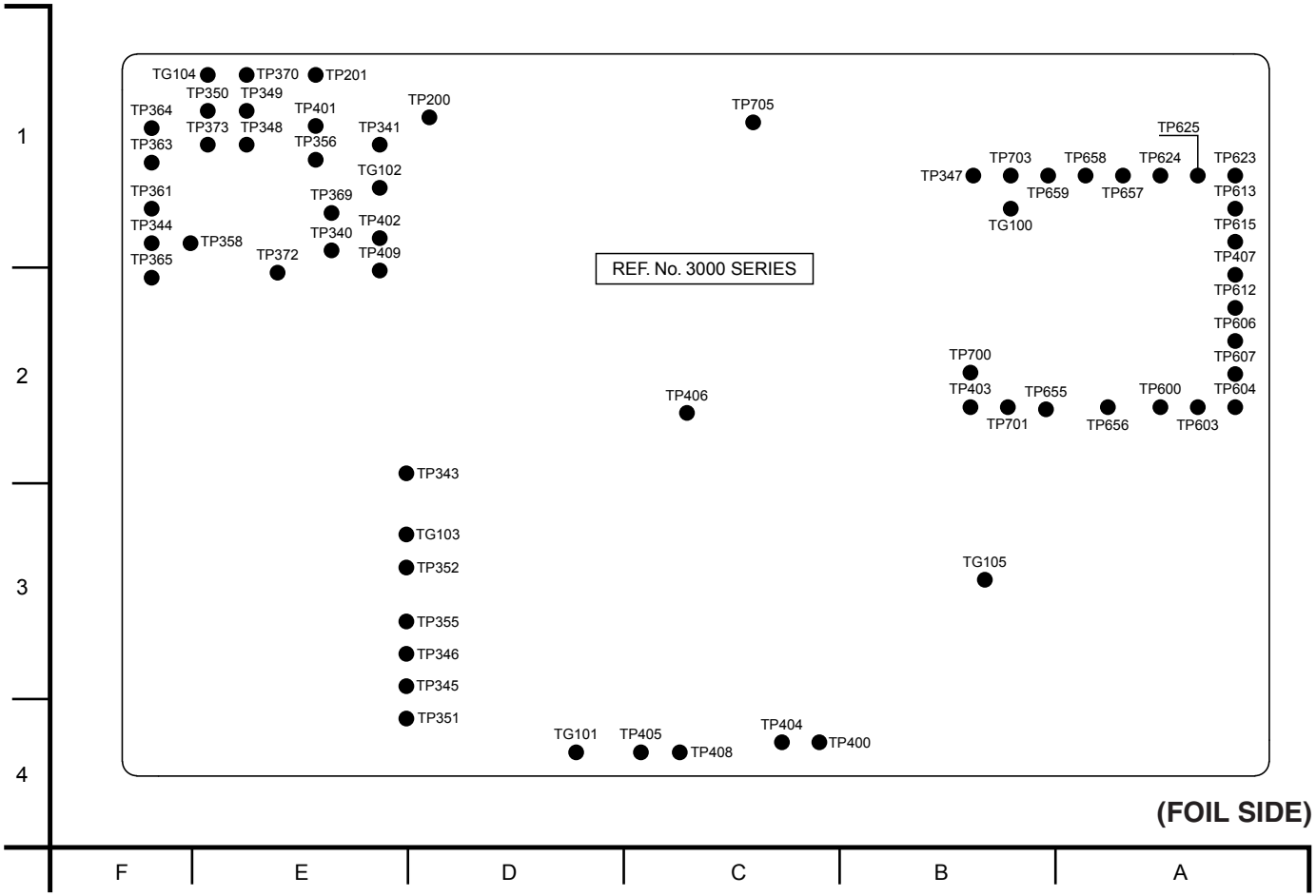
REF	LOC
IC2	C3
IC4	C3
IC6	C3
IC8	B3
IC306	B3
IC307	B3
IC400	E1
IC401	E1
IC500	C4
IC501	C4
IC502	D4
IC503	C4
IC703	D2
IC2254	B3
Q103	A2
Q104	A2
Q105	A1
Q106	A1
Q107	A1
Q400	D1
Q401	D1
Q503	B4
Q504	D4
Q505	B4
Q700	D2
Q701	D1
Q702	D2
QR500	C4
QR501	C4
QR502	C4
QR503	C5
VR1	F3
VR2	F3
VR400	F3
VR401	F3

UDC P.C.BOARD (VEP83573) [F4]



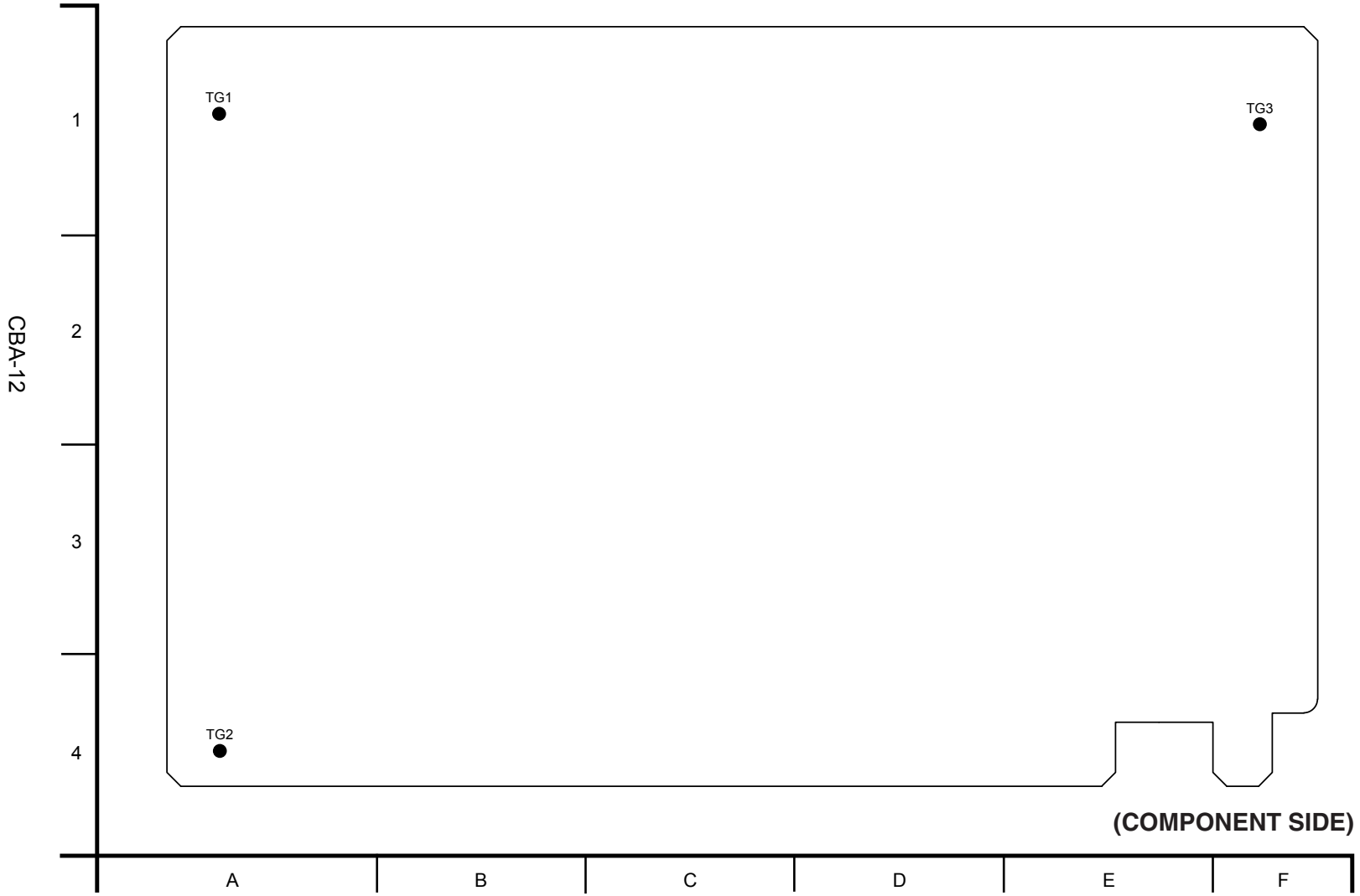
REF	LOC
IC100	A1
IC101	E2
IC205	B1
IC206	D2
IC208	B2
IC210	C1
IC211	D1
IC212	C2
IC213	D2
IC214	D1
IC215	D2
IC216	D2
IC217	C2
IC218	B2
IC219	B2
IC340	E3
IC401	D4
IC500	B3
IC501	B3
IC502	D3
IC503	D3
IC600	A2
IC700	B2
IC701	E1
IC709	F2
IP700	E1
IP701	E1
IP702	F1
P100	C1
P700	E1
P701	E4
TG106	C4
TG107	E1

UDC P.C.BOARD (VEP83573) [F4]



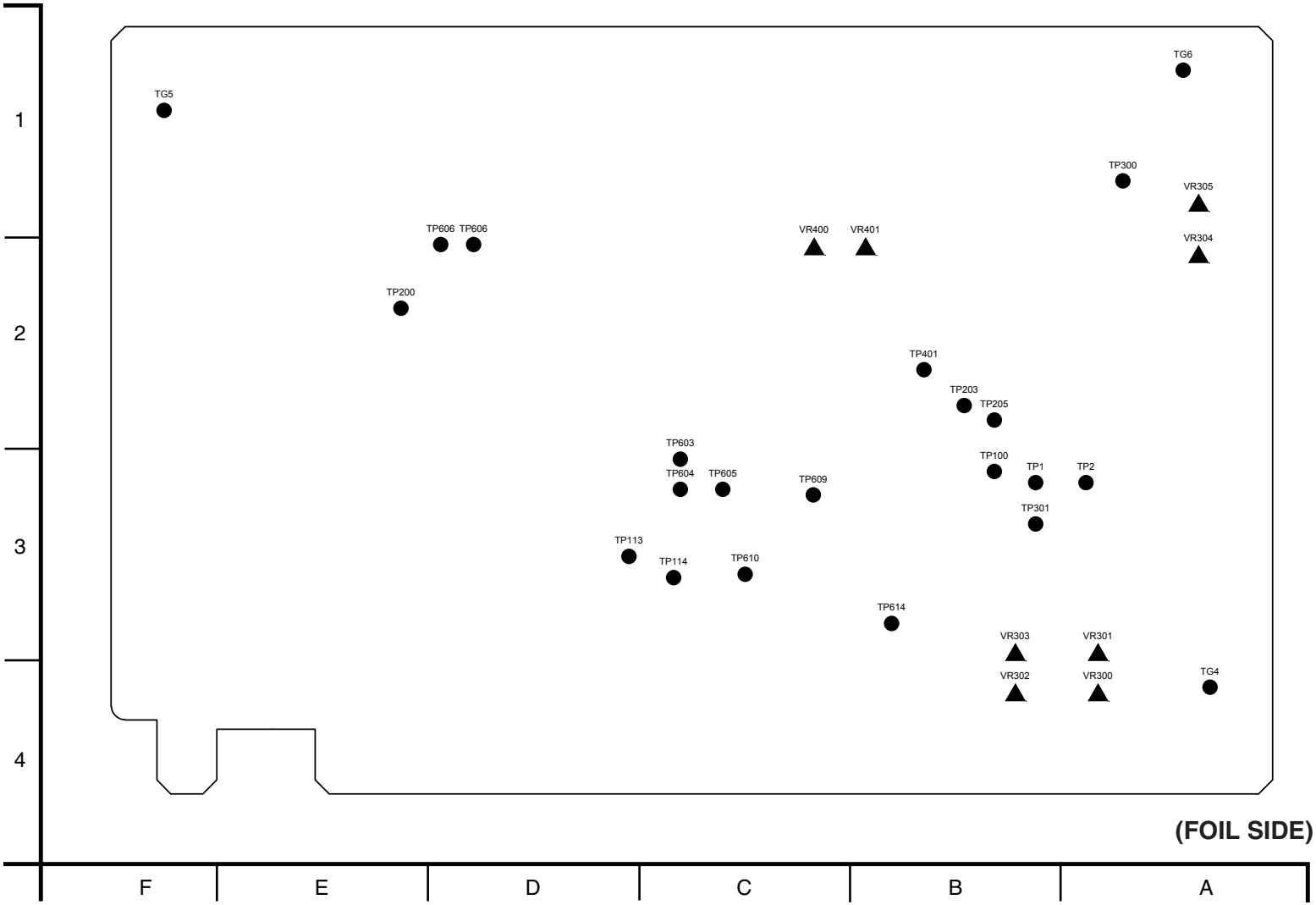
REF	LOC	REF	LOC
IC102	B1	TP349	E1
IC200	D1	TP350	E1
IC201	D1	TP351	E4
IC202	D2	TP352	E3
IC203	D2	TP355	E3
IC204	D2	TP356	E1
IC207	D2	TP358	F1
IC209	C2	TP361	F1
IC341	E2	TP363	F1
IC342	E2	TP364	F1
IC400	C3	TP365	F2
IC504	B3	TP369	E1
IC505	B3	TP370	E1
IC506	D3	TP372	E2
IC507	D3	TP373	E1
IC508	A3	TP400	C4
IC509	A3	TP401	E1
IC510	E3	TP402	E1
IC511	E3	TP403	B2
IC512	A3	TP404	C4
IC513	A3	TP405	C4
IC514	E3	TP406	C2
IC515	E3	TP407	A2
IC702	B2	TP408	C4
IC703	B2	TP409	E2
IC704	C1	TP600	A2
IC705	C2	TP603	A2
IC706	B1	TP604	A2
		TP606	A2
		TP607	A2
TG100	B1	TP612	A2
TG101	D4	TP613	A1
TG102	E1	TP615	A1
TG103	E3	TP623	A1
TG104	E1	TP624	A1
TG105	B3	TP625	A1
TP200	D1	TP654	A2
TP201	E1	TP655	B2
TP340	E1	TP657	A1
TP341	E1	TP658	A1
TP343	E2	TP659	B1
TP344	F1	TP700	B2
TP345	E3	TP701	B2
TP346	E3	TP703	B1
TP347	B1	TP705	C1
TP348	E1		

SGNE SDI P.C.BOARD (VEP83634) [F5]



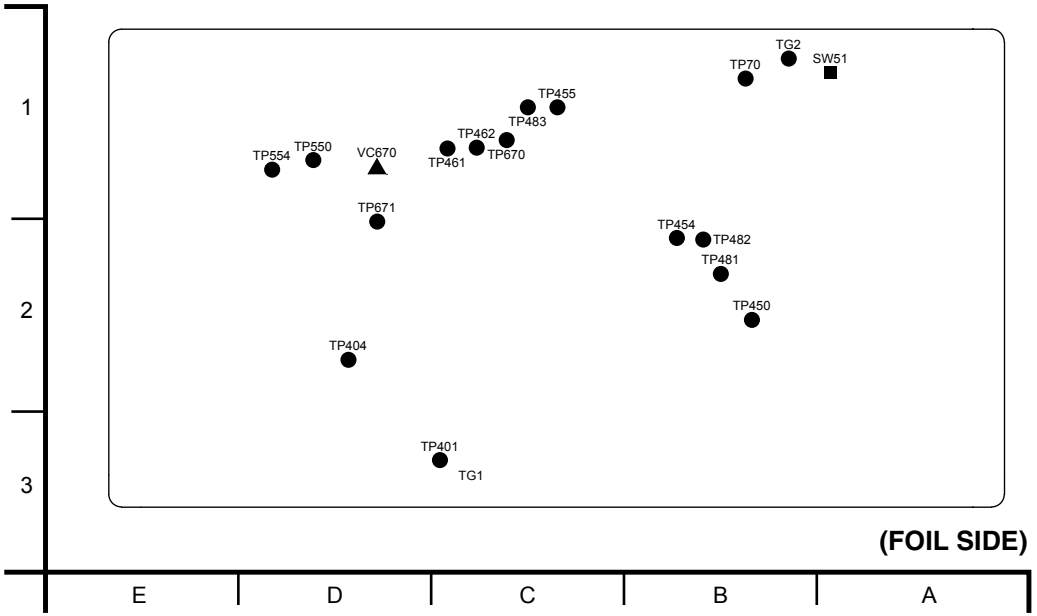
REF	LOC	REF	LOC
IC2	E3	IC411	B2
IC3	E3	IC500	E3
IC6	F3	IC502	E2
IC7	F3	IC508	E2
IC102	D3	IC600	C3
IC104	D3	IC601	D4
IC105	D3	IC602	D3
IC106	C3	IC603	D3
IC107	D3	IC604	C3
IC108	D3	IC605	D3
IC109	D3	IC606	D2
IC112	D3	IC609	D2
IC114	D3	IC610	D2
IC116	D3	IC613	D2
IC200	B2	IC614	B3
IC300	B3	IC620	C3
IC301	A4	IC623	B3
IC302	B4	IC624	B3
IC303	B3	IC625	C3
IC304	A3	IC700	E2
IC305	B2	IC701	E1
IC306	A3		
IC307	B3		
IC308	A3	P1	C4
IC309	A2	P2	E3
IC310	A3	P3	E1
IC311	A1	P600	D1
IC320	A2	P700	B1
IC338	B3		
IC339	B3		
IC400	C2	Q100	D3
IC401	C2	Q101	D3
IC403	B2	Q102	E3
IC405	C2	Q103	E3
IC406	B2		
IC407	C1		
IC408	B1	TG1	A1
IC409	B2	TG2	A4
IC410	C2	TG3	F1

SGEN SDI P.C.BOARD (VEP83634) [F5]



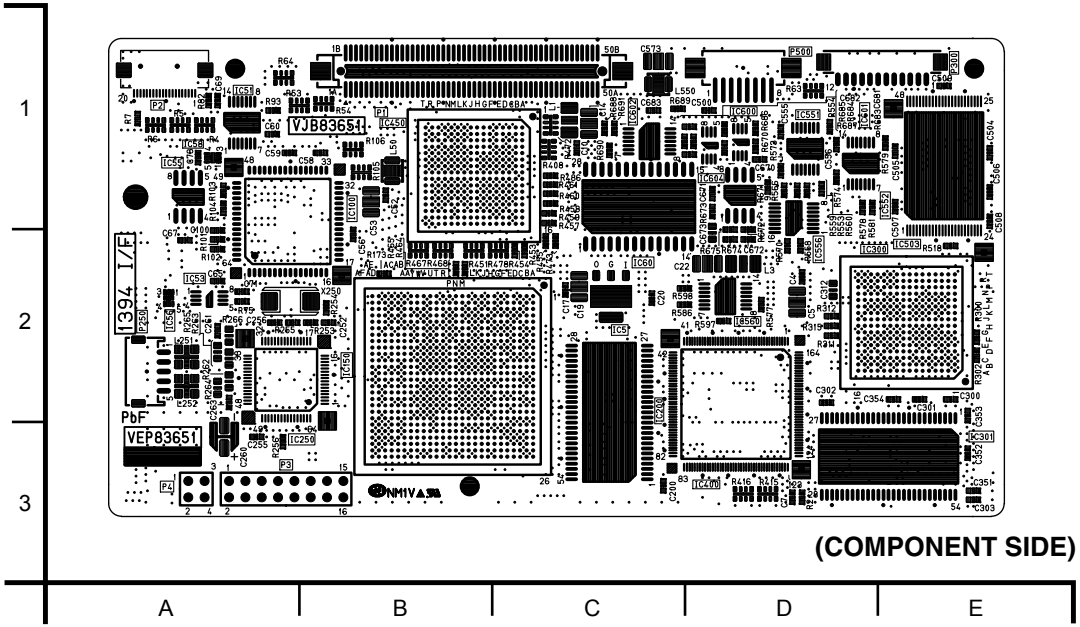
REF	LOC	REF	LOC
IC5	D1	TP100	B3
IC8	D1	TP113	D3
IC100	E3	TP114	C3
IC101	D4	TP200	E2
IC103	D3	TP203	B2
IC119	D3	TP205	B2
IC201	A2	TP300	A1
IC312	A2	TP301	B3
IC314	B1	TP401	B2
IC316	A2	TP603	C3
IC340	B3	TP604	C3
IC503	E2	TP605	C3
IC504	E3	TP606	D2
IC506	F2	TP607	D2
IC509	F1	TP609	C3
IC510	F2	TP610	C3
IC615	C4	TP614	B3
IC618	C4		
IC619	C4		
IC622	B4	VR300	A4
		VR301	A3
		VR302	B4
TG4	A4	VR303	B3
TG5	F1	VR304	A2
TG6	A1	VR305	A1
TP1	B3	VR400	C2
TP2	A3	VR401	B2

1394 IF P.C.BOARD (VEP83651) [F3]



(FOIL SIDE)

REF	LOC	REF	LOC	REF	LOC
IC1	D2	Q671	D1	TP454	B2
IC2	D3	QR1	D3	TP455	C1
IC3	D2	QR50	C1	TP461	C1
IC4	C2	QR51	D1	TP462	C1
IC6	D2	QR52	D1	TP481	B2
IC50	A1	QR53	D1	TP482	B2
IC350	E3	QR54	C1	TP483	C1
IC500	D1	QR500	D1	TP550	D1
IC502	E1			TP554	D1
IC557	C2			TP670	C1
IC561	C2	SW51	A1	TP671	D2
IC562	C2				
		TG1	C3	VC670	D1
P50	A1	TG2	B1		
		TP70	B1		
		TP401	C3		
Q1	D3	TP404	D2		
Q670	C1	TP450	B2		



(COMPONENT SIDE)

REF	LOC	REF	LOC
IC5	C2	IC551	D1
IC51	A1	IC552	D1
IC53	A2	IC556	D1
IC55	A1	IC560	D2
IC56	A2	IC600	D1
IC58	A1	IC601	D1
IC60	C1	IC602	C1
IC100	A1	IC604	D1
IC150	B2		
IC200	C2		
IC250	A2	P1	B1
IC300	E2	P2	A1
IC301	E3	P3	A3
IC400	D2	P4	A3
IC450	B1	P250	A2
IC503	E1	P500	D1

RF/EQ P.C.BOARD (VEP85214)

Foil Side

REF	LOC	REF	LOC
IC1	E2	Q502	A1
IC201	D3	Q503	A1
IC202	D4	Q504	B1
IC204	D4	Q505	B1
IC303	A3	Q506	B1
IC403	C3	Q551	C1
IC802	A3	Q552	C1
IC803	B2	Q553	C1
IC804	D3	Q554	C1
IC902	C3	Q555	C1
IC1002	B2	Q556	C1
IC1003	B2	Q601	D1
IC1102	C2	Q602	D1
IC1202	D2	Q603	D1
IC1203	E2	Q604	E1
		Q605	E1
		Q606	D1
Q1	E2	Q701	C3
Q2	E2	Q703	D3
Q3	E2	Q731	B2
Q203	D3	Q733	B2
Q204	D3	Q761	D1
Q205	D3	Q763	C2
Q206	D3	Q801	B3
Q301	B4	Q901	C3
Q302	B4	Q1001	B2
Q303	B3	Q1101	C2
Q304	B4	Q1201	D2
Q305	A4	Q1301	E3
Q351	A3	Q1302	E3
Q401	C3	Q1303	E3
Q402	C4	Q1304	F3
Q403	C3	Q1305	F3
Q404	C4	Q1306	E3
Q405	C4	Q1307	E3
Q451	B3	QR351	A3
Q501	A1	QR352	A3

APROC P.C.BOARD (VEP84393)

Foil Side

REF	LOC	REF	LOC	REF	LOC
IC4003	B1	IC4243	D3	Q4803	C2
IC4006	B1	IC4244	C3	Q4804	C3
IC4008	B3	IC4245	C3	Q4805	C2
IC4057	B2	IC4401	F2	Q4806	C3
IC4060	B2	IC4402	E2	QR4201	D2
IC4061	B2	IC4403	E2	QR4202	D2
IC4105	A3	IC4404	E2	QR4203	C2
IC4106	B3	IC4412	D2	QR4204	C2
IC4114	B3	IC4413	D2	QR4205	D2
IC4115	C3	IC4414	D2	QR4206	D2
IC4116	B4	IC4415	C2	QR4207	C2
IC4151	A2	IC4420	D2	QR4208	C2
IC4152	A2	IC4421	D2		
IC4155	A2	IC4422	D2		
IC4156	B4	IC4423	C2		
IC4158	A2	IC4632	C1		
IC4160	A1	IC4633	C1		
IC4161	A4	IC4636	E4		
IC4162	A4	IC4637	E4		
IC4164	A1	IC4640	D4		
IC4166	A2	IC4641	D4		
IC4174	A4	IC4644	D4		
IC4175	A4	IC4645	D4		
IC4209	F4	IC4801	C1		
IC4210	E4	IC4806	C2		
IC4211	F3	IC4807	C2		
IC4212	E3				
IC4213	E3				
IC4214	E3	Q4201	D2		
IC4219	E4	Q4202	D2		
IC4220	E4	Q4203	C2		
IC4229	F2	Q4204	C2		
IC4230	E2	Q4601	C4		
IC4231	E2	Q4602	C3		
IC4232	E2	Q4603	C4		
IC4233	E4	Q4801	C3		
IC4242	D3	Q4802	C3		

REC PB P.C.BOARD (VEP83624)

Foil Side

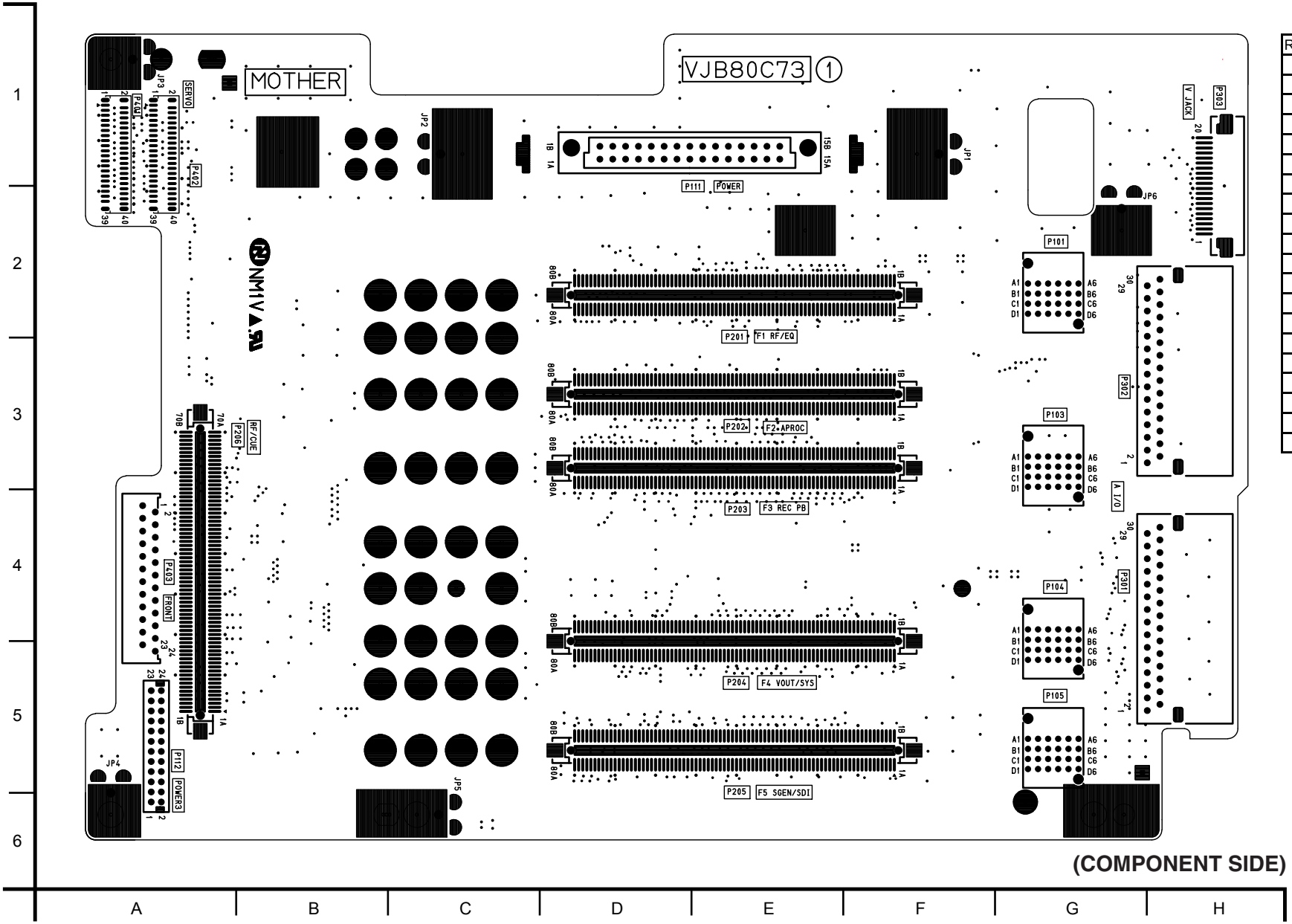
REF	LOC
IC5	E4
IC50	C2
IC51	B2
IC52	B2
IC101	C1
IC102	C1
IC151	B1
IC152	A1
IC153	A3
IC154	A4
IC155	A3
IC156	A4
IC200	A2
IC201	B3
IC202	A3
IC252	B1
IC253	B1
IC254	B1
IC371	F2
IC550	C4
IC551	A4
IC552	C3
IC553	C4
IC554	C4
IC555	C4
IC557	E3
IC562	B4
IC652	D1
P650	D1
QR650	D1

SERVO P.C.BOARD (VEP82249)

Foil Side

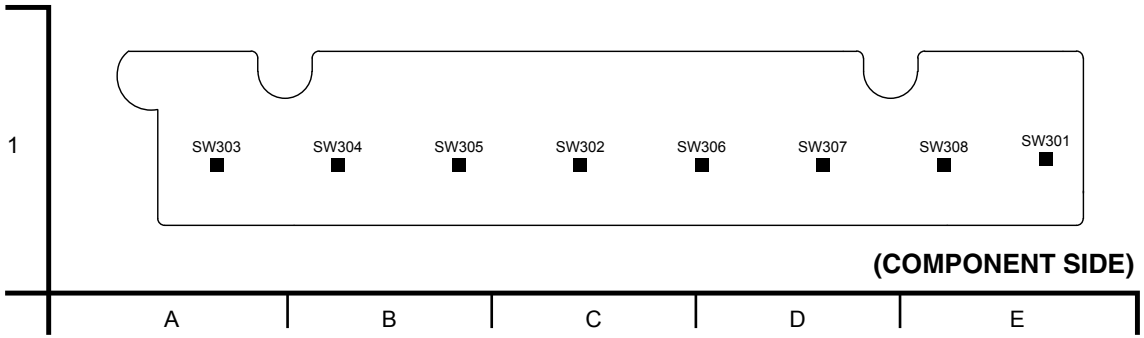
REF	LOC	REF	LOC
IC1	D1	Q800	D4
IC20	E1	Q801	D4
IC23	D2	Q802	D4
IC24	C3	Q5001	B4
IC26	C2	Q5002	B4
IC27	C3	Q5004	B4
IC28	E3	Q5005	A4
IC29	E2	Q5006	B4
IC38	B4	QR1	D1
IC41	D4	QR2	D1
IC42	D4	QR9	E1
IC46	E3	QR400	F2
IC47	D2	QR401	F2
IC48	D2	QR402	F2
IC49	D2	QR700	C3
IC50	D2	QR701	C2
IC51	D2	QR702	C3
IC52	E4	QR703	C2
IC53	D3	QR800	D3
IC54	C2	QR801	D3
IC300	D1	QR802	D3
IC301	D1	QR804	C3
IC351	E3	QR805	C2
IC5001	B4	QR806	D2
IC5002	B4	QR807	C2
IC6001	C4	QR808	C3
		QR809	D3
		QR810	C2
P903	C3	QR811	D3
		QR812	D3
		QR813	E3
Q450	F1	QR814	E3
Q451	F1	QR815	D4
Q702	B3	QR816	D3
Q703	A3	QR5001	B4
Q704	B3	QR5002	B4
Q705	A3	QR6001	D4
Q706	B3	QR6002	D4
Q707	A3		

MOTHER P.C.BOARD (VEP80C73)



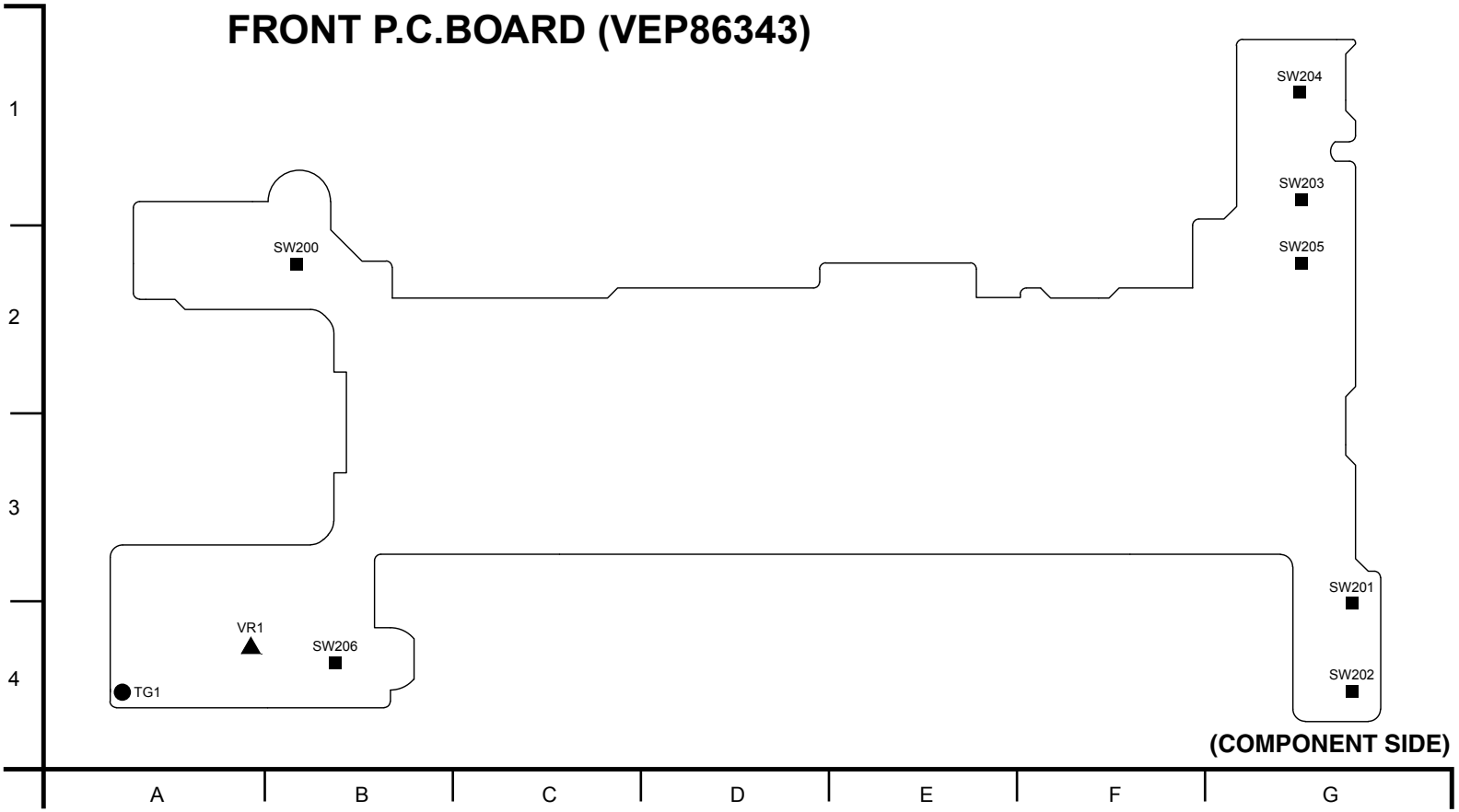
REF	LOC
P101	G2
P103	G3
P104	G5
P105	G5
P111	D1
P112	A6
P201	E2
P202	E3
P203	E3
P204	E5
P205	E5
P206	A4
P301	H5
P302	H3
P303	H2
P401	A1
P402	A1
P403	A4

FRONT KEY P.C.BOARD (VEP86344)



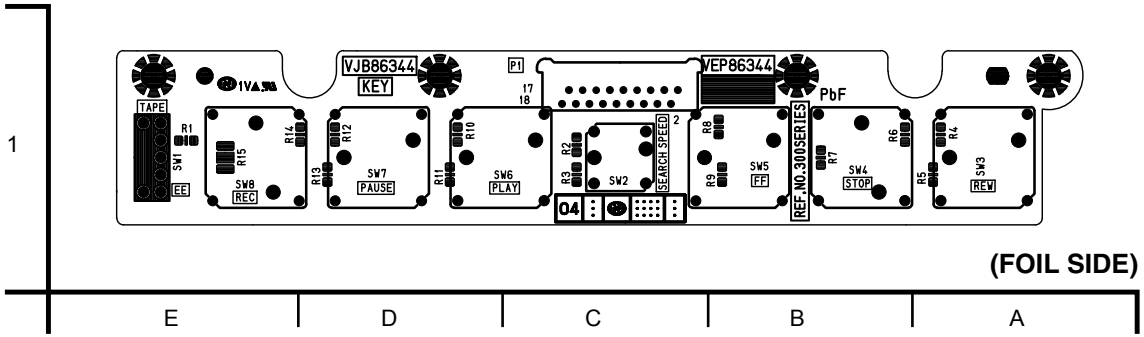
REF	LOC
SW301	E1
SW302	C1
SW303	A1
SW304	B1
SW305	B1
SW306	C1
SW307	D1
SW308	E1

FRONT P.C.BOARD (VEP86343)

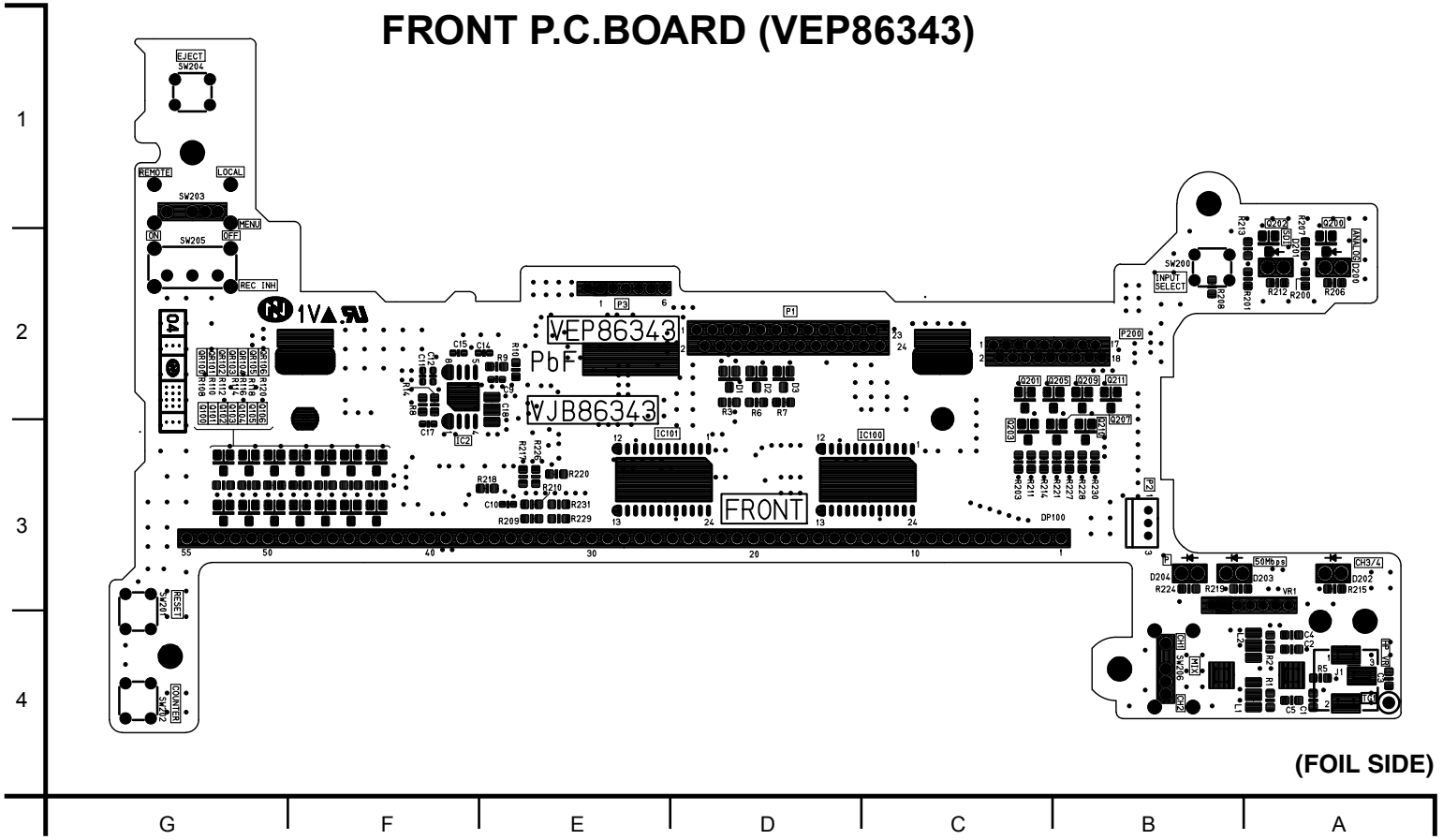


REF	LOC
IC1	E3
IC3	E2
P1	D2
P3	E2
P200	C2
Q204	A3
Q206	B3
Q208	B3
SW200	B2
SW201	G4
SW202	G4
SW203	G1
SW204	G1
SW205	G2
SW206	B4
VR1	A4

FRONT KEY P.C.BOARD (VEP86344)



FRONT P.C.BOARD (VEP86343)



REF	LOC
IC2	F2
IC100	C3
IC101	E3
P2	B3
Q100	G3
Q101	G3
Q102	G3
Q103	F3
Q104	F3
Q105	F3
Q106	F3
Q200	A2
Q201	C2
Q202	A2
Q203	C3
Q205	B2
Q207	B3
Q209	B2
Q210	B3
Q211	B2
QR100	G3
QR101	G3
QR102	G3
QR103	F3
QR104	F3
QR105	F3
QR106	F3

ORDER NO. BSD04050100
D26

Service Manual

Sec. 1 Service Information
Sec. 2 Disassembly Procedures
Sec. 3 Mechanical Adjustment
Sec. 4 Electrical Adjustment
Sec. 5 Block Diagrams
Sec. 6 Schematic Diagrams
Sec. 7 Major Part Location
Sec. 8 Exploded Views & Replacement Parts List

DVCPRO HD EX

Digital Video Cassette Player/Recorder

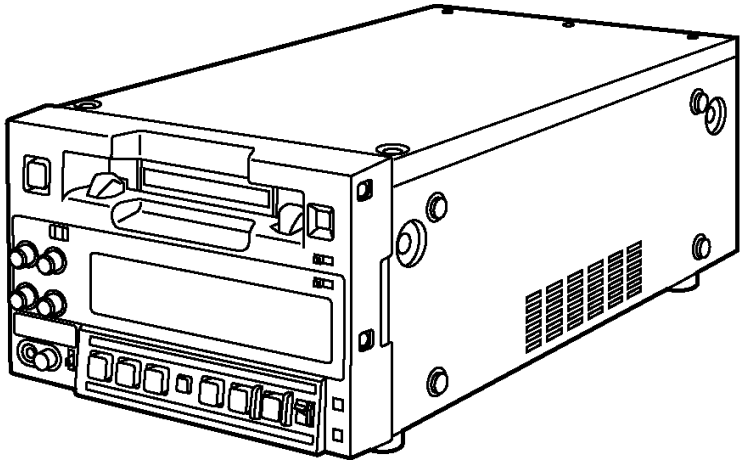
AJ-HD1200AP/E/MC

HD-SDI In/Out and SD-SDI Out Board

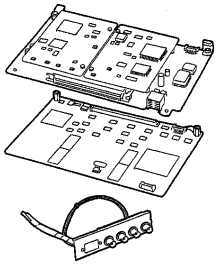
AJ-YA120AG

Digital Video In/Out Board

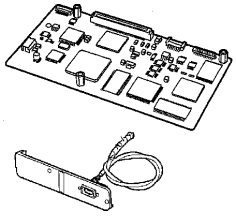
AJ-YAD120AG



AJ-HD1200A



AJ-YA120A



AJ-YAD120A

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-HD1200AP

Specifications

[GENERAL]

Power supply:
AC (100-240) V ±10%, 50/60 Hz
DC 12V, 6.6 A
Power consumption:
69 W (main unit only)
97 W (when AJ-YA120AG, AJ-YAD120AG are installed)

▭ indicates safety information.

Ambient operating temperature:
41°F to 104°F (5°C to 40°C)
Ambient operating humidity:
10% to 80% (no condensation)
Weight:
17.38 lb (7.9 kg)
Dimensions (W×H×D):
8 7/16×5 1/4×16 7/8 inches (214×132×428 mm)
Recording format*1, *2:
DVCPRO HD-LP
Recording video signals*1, *2:
1080i/59.94 Hz, 720p/59.94 Hz, 1080i/50 Hz switchable
Recording audio signals*1:
48 kHz, 16 bits, 8 channels
Recording tracks*1:
- Digital video/audio: Helical track
- Time code: Helical track (sub code area)
- Cue signal: 1 track
- Control (CTL) signal: 1 track

Playback formats:
DVCPRO HD-LP, DVCPRO HD, DVCPRO50, DVCPRO P, DVCPRO, DV-SP, DVCAM
Tape speed:
67.64 mm/sec. (in 59.94 Hz mode)
67.70 mm/sec. (in 60/50 Hz mode)
Recording time:
92 min. (when using AJ-HP92EL)
Tapes used:
Metal tapes
FF/REW time:
Approx. 2 min. (when using AJ-HP92ELG)

[VIDEO]

■ Digital video

Sampling frequency
Y: 74.25 MHz
P_B/P_R: 37.125 MHz
Quantizing:
8 bits
Video compression system:
DCT + variable length code
Video compression ratio:
1:6.7
Error correction:
Reed-Solomon product code
Video recording bit rate:
100 Mbps

■ Video input connectors*1

HD serial digital input:
BNC ×1
(compliant with SMPTE 292M/296M/299M standards)
Reference input:
Black burst/HD tri-level sync automatic switching
BNC ×2 (loop-through ×1)
75Ω termination ON/OFF switchable

■ Video output connectors

HD serial digital output*1:
BNC ×2
(compliant with SMPTE 292M/296M/299M standards)
(information superimposing ON/OFF)
SD serial digital output*1:
BNC ×1 (compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)
(information superimposing ON/OFF)
Analog composite output:
BNC ×2
VIDEO1*3, VIDEO2
(information superimposing ON/OFF)
HD analog component output:
BNC ×3*3 ($Y/P_B/P_R$, R/G/B switchable)
(information superimposing ON/OFF)

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.
*3: The VIDEO1 and HD analog component Y outputs are switched.

Specifications

■ Video output adjustment ranges

HD serial digital output system phase*1:
1080i: ±0.5H (in 13.5ns increments)
59/60 Hz: ±1100 samples
50 Hz: ±1320 samples
23/24 Hz: ±1375 samples
720p: ±0.5H (in 13.5ns increments)
59/60 Hz: ±825 samples

SD serial digital/composite video output system phase*1:
±0.5H (in 37ns increments)
59 Hz: ±858 samples
50 Hz: ±864 samples

Composite video output SC phase;
±180 deg. or more

[AUDIO]

■ Digital audio

Sampling frequency:
48 kHz (synchronized with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1 dB (at reference level)

Dynamic range:
More than 85 dB (1 kHz, emphasis OFF)

Distortion:
Less than 0.1% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limits

Headroom:
20 dB

■ Audio input connectors*1

Analog input (CH1, CH2, CH3, CH4):
XLR ×4, 600 Ω/high impedance switchable
(default: 600 Ω)
+4/0/–20 dBm/–60 dBu switchable
(The impedance is set to 3 kΩ when –60 dB is selected)

HD serial digital input:
BNC ×1, 75 Ω,
Compliant with SMPTE 292M/296M/299M standard

■ Audio output connectors

Analog output (CH1, CH2, CH3, CH4):
XLR ×4, low impedance
+4/0/–20 dBm (with 600 Ω load) switchable
Monitor output L or R switchable for CH3/CH4 output

HD serial digital output*1:
BNC ×2, 75 Ω
(compliant with SMPTE 292M/296M/299M standard)

SD serial digital output*1:
BNC ×1, 75 Ω
(compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)

Monitor output (L, R):
PHONO ×2, 600 Ω, –8 dBv

Headphone output:
Stereo (6 mm diameter), 8 Ω, level variable

[OTHER CONNECTORS]

Time code input*1:
BNC ×1, 0.5 to 8V [p-p], 10 kΩ

Time code output:
BNC ×1, low impedance, 2.0 ±0.5 V [p-p]
(with 600 Ω load)

RS-422A input:
D-sub 9-pin, for AJ-A95
RS-422A interface

DC power output:
4 pins ×1, DC 12 V, 250 mA, for AJ-A95

DV input/output connector:
Connector:
6-pin type
Transmission rate:
400 Mbps, 200 Mbps, 100 Mbps;selectable
Transmission data:
Compliant with IEEE 1394-1995
Compliant with IEC 61883-Part1, Part2
Control command:
Compliant with AV/C command set (General Ver 3.0, VCR Subunit Ver 2.01)

[OPTIONS]

HD SDI input/output SD SDI output board:
AJ-YA120AG

Digital video input/output board:
AJ-YAD120AG

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Specifications

[GENERAL]

Power supply:
AC (100-240) V ±10%, 50/60 Hz
DC 12V, 6.6 A
Power consumption:
69 W (main unit only)
97 W (when AJ-YA120AG, AJ-YAD120AG are installed)

▭ indicates safety information.

Ambient operating temperature:
41°F to 104°F (5°C to 40°C)
Ambient operating humidity:
10% to 80% (no condensation)
Weight:
17.38 lb (7.9 kg)
Dimensions (W×H×D):
8 7/16×5 1/4×16 7/8 inches (214×132×428 mm)
Recording format*1, *2:
DVCPRO HD-LP
Recording video signals*1, *2:
1080i/59.94 Hz, 720p/59.94 Hz, 1080i/50 Hz switchable
Recording audio signals*1:
48 kHz, 16 bits, 8 channels
Recording tracks*1:
- Digital video/audio: Helical track
- Time code: Helical track (sub code area)
- Cue signal: 1 track
- Control (CTL) signal: 1 track

Playback formats:
DVCPRO HD-LP, DVCPRO HD, DVCPRO50, DVCPRO P, DVCPRO, DV-SP, DVCAM
Tape speed:
67.64 mm/sec. (in 59.94 Hz mode)
67.70 mm/sec. (in 60/50 Hz mode)
Recording time:
92 min. (when using AJ-HP92EL)
Tapes used:
Metal tapes
FF/REW time:
Approx. 2 min. (when using AJ-HP92ELG)

[VIDEO]

■ Digital video

Sampling frequency
Y: 74.25 MHz
P_B/P_R: 37.125 MHz
Quantizing:
8 bits
Video compression system:
DCT + variable length code
Video compression ratio:
1:6.7
Error correction:
Reed-Solomon product code
Video recording bit rate:
100 Mbps

■ Video input connectors*1

HD serial digital input:
BNC ×1
(compliant with SMPTE 292M/296M/299M standards)
Reference input:
Black burst/HD tri-level sync automatic switching
BNC ×2 (loop-through ×1)
75Ω termination ON/OFF switchable

■ Video output connectors

HD serial digital output*1:
BNC ×2
(compliant with SMPTE 292M/296M/299M standards)
(information superimposing ON/OFF)
SD serial digital output*1:
BNC ×1 (compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)
(information superimposing ON/OFF)
Analog composite output:
BNC ×2
VIDEO1*3, VIDEO2
(information superimposing ON/OFF)
HD analog component output:
BNC ×3*3 ($Y/P_B/P_R$, R/G/B switchable)
(information superimposing ON/OFF)

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.
*3: The VIDEO1 and HD analog component Y outputs are switched.

■ Video output adjustment ranges

HD serial digital output system phase*1:

1080i: ±0.5H (in 13.5ns increments)
- 59/60 Hz: ±1100 samples
- 50 Hz: ±1320 samples
- 23/24 Hz: ±1375 samples

720p: ±0.5H (in 13.5ns increments)
- 59/60 Hz: ±825 samples

SD serial digital/composite video output system phase*1:

±0.5H (in 37ns increments)
- 59 Hz: ±858 samples
- 50 Hz: ±864 samples

Composite video output SC phase;

±180 deg. or more

[AUDIO]

■ Digital audio

Sampling frequency:
48 kHz (synchronized with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1 dB (at reference level)

Dynamic range:
More than 85 dB (1 kHz, emphasis OFF)

Distortion:
Less than 0.1% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limits

Headroom:
18 dB

■ Audio input connectors*1

Analog input (CH1, CH2, CH3, CH4):
XLR ×4, 600 Ω/high impedance switchable (default: 600 Ω)
+4/0/–20 dBm/–60 dBu switchable
(The impedance is set to 3 kΩ when –60 dB is selected)

HD serial digital input:
BNC ×1, 75 Ω,
Compliant with SMPTE 292M/296M/299M standard

■ Audio output connectors

Analog output (CH1, CH2, CH3, CH4):
XLR ×4, low impedance
+4/0/–20 dBm (with 600 Ω load) switchable
Monitor output L or R switchable for CH3/CH4 output

HD serial digital output*1:
BNC ×2, 75 Ω
(compliant with SMPTE 292M/296M/299M standard)

SD serial digital output*1:
BNC ×1, 75 Ω
(compliant with SMPTE 259M-C/272M-A, ITU-R BT.656-4 standards)

Monitor output (L, R):
PHONO ×2, 600 Ω, –8 dBv

Headphone output:
Stereo (6 mm diameter), 8 Ω, level variable

[OTHER CONNECTORS]

Time code input*1:
BNC ×1, 0.5 to 8V [p-p], 10 kΩ

Time code output:
BNC ×1, low impedance, 2.0 ±0.5 V [p-p] (with 600 Ω load)

RS-422A input:
D-sub 9-pin, for AJ-A95
RS-422A interface

DC power output:
4 pins ×1, DC 12 V, 250 mA, for AJ-A95

DV input/output connector:
Connector:
- 6-pin type

Transmission rate:
- 400 Mbps, 200 Mbps, 100 Mbps;selectable

Transmission data:
- Compliant with IEEE 1394-1995
- Compliant with IEC 61883-Part1, Part2

Control command:
- Compliant with AV/C command set (General Ver 3.0, VCR Subunit Ver 2.01)

[OPTIONS]

HD SDI input/output SD SDI output board:
AJ-YA120AG

Digital video input/output board:
AJ-YAD120AG

*1: This functions only when the AJ-YA120AG (optional accessory) is installed.
*2: This functions only when the AJ-YAD120AG (optional accessory) is installed.

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

AJ-YA120AG

Specifications

[HD-SDI input/output/SD-SDI output board]

Dimensions (W×H×D), weight

- SDI connector panel:
  1 3/16×4 7/16×1 1/16 inches (30×112×26 mm), 0.176 lb (80 g)
- SDI board:
  6 1/2×4 1/2×7/8 inches (165×114×21 mm), 0.396 lb (180 g)
- UDC board:
  6 5/16×4×11/16 inches (160×101×17 mm), 0.22 lb (100 g)

[VIDEO]

Quantizing:
Input 10 bits (8 bits recorded)

HD video input:
BNC ×1, compliant with SMPTE292M/296M standards

HD video outputs:
BNC ×2, compliant with SMPTE292M/296M standards
(information superimposing ON/OFF)

SD video output:
BNC ×1, compliant with SMPTE259M-C/272M-A/ITU-R, BT.656-4 standards
(information superimposing ON/OFF)

Reference inputs:
BNC ×2 (loop-through ×1), 75 Ω termination, ON/OFF selectable
Black burst/HD tri-level sync automatic switching

Format conversion:

1080i/720p, 59.94 Hz	↔	480i, 59.94 Hz
1080i, 50 Hz	↔	576i, 50 Hz
1080i, 59.94 Hz/60 Hz	↔	720p, 59.94 Hz/60 Hz
720p, 59.94 Hz/60 Hz	→	1080i, 23.97 PsF/24 PsF
480p, 59.94 Hz	→	1080i/720p, 59.94 Hz
480p, 59.94 Hz	→	480i, 59.94 Hz
720p, 60 Hz	→	1080i, 25 PsF **(AJ-HD1200A only)**
720p, 60 Hz	→	576i, 50 Hz **(AJ-HD1200A only)**

[AUDIO]

HD audio input:
BNC ×1, compliant with SMPTE292M/296M/299M standard

HD audio outputs:
BNC ×2, compliant with SMPTE292M/296M/299M standard

SD audio output:
BNC ×1, compliant with SMPTE259M-C/272M-A/ITU-R, BT.656-4 standards

AJ-YAD120AG

Specifications

[Digital video interface board]

Dimensions (W×H×D), weight

- Option board:
  5 9/16×3×1/2 inches (140×75×12.6 mm), 0.1452 lb (66 g)
- Connector board:
  1 1/8×4 7/16×1 3/16 inches (28×112×30 mm), 0.099 lb (45 g)

[Input/Output]

Connector:
6-pin type

Transmission rate:
400 Mbps, 200 Mbps, 100 Mbps;selectable

Transmission data:
Compliant with IEEE 1394-1995
Compliant with IEC 61883-Part1, Part2

Control command:
Compliant with AV/C command set (General Ver 3.0、VCR Subunit Ver 2.01)

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts, which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

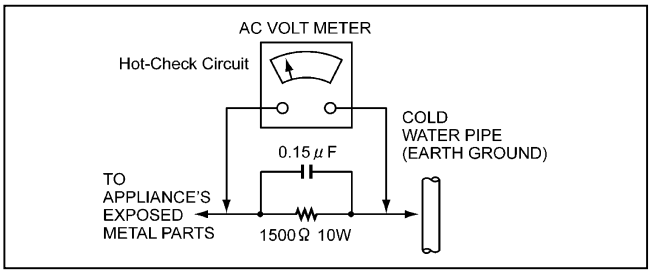


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.
Caution:

1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C).

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note: It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

For your safety

IMPORTANT

"Unauthorized recording of copyrighted television programmes, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

■ **THIS APPARATUS MUST BE GROUNDED**

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power outlet which is effectively grounded through normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to the ground. Incorrectly wired extension cords can be extremely hazardous.

The fact that the equipment operates satisfactorily does not imply that it is grounded, and the installation is not necessarily safe. For your safety, if in any doubt about the effective grounding of the equipment or power outlet, please consult a qualified electrician.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

CAUTION:

THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:

- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.**

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

▭ indicates safety information.

For your safety

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

Notice (U.S.A.only):

This product has a fluorescent lamp that contains a small amount of mercury.
It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations.
For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance:
<http://www.eiae.org.>

FCC Note:
This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warning:
To assure continued FCC emission limit compliance, the user must use only shielded interface cables when connecting to external units. Also any unauthorized changes or modifications to this equipment could Void the userÅfs authority to operate it.

CAUTION:

This apparatus can be operated at a voltage in the range of 100 – 240 V AC.
Voltage other than 120 V is not intended for U.S.A. and Canada.

CAUTION:

Operation at a voltage other than 120 V AC may require the use of a different AC plug. Please contact either a local or foreign Panasonic authorized service center for assistance in selecting an alternate AC plug.

▭ indicates safety information.

For your safety

IMPORTANT
"Unauthorized recording of copyrighted television programmes, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

■ **THIS APPARATUS MUST BE EARTHED**

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal house-hold wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

CAUTION:
THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.**

CAUTION:
Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

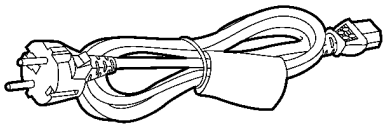
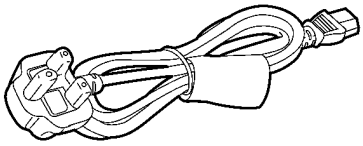
CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:
Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

▭ indicates safety information.

Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.
Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

FOR CONTINENTAL EUROPE, ETC. Not to be used in the U.K.	**FOR U.K. ONLY** If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.
	

FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 13 amp fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ⓚ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

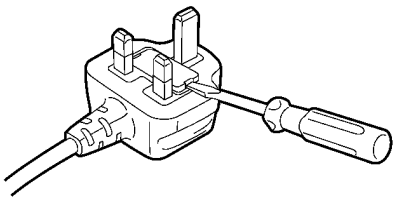
If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.
WARNING: THIS APPLIANCE MUST BE EARTHED.
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

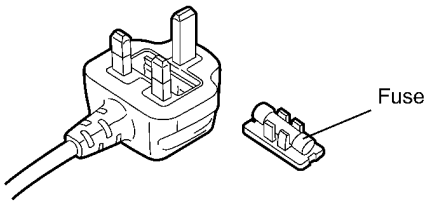
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse
1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



▭ indicates safety information.

AJ-YA120AG

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

indicates safety information.

AJ-YAD120AG

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

indicates safety information.

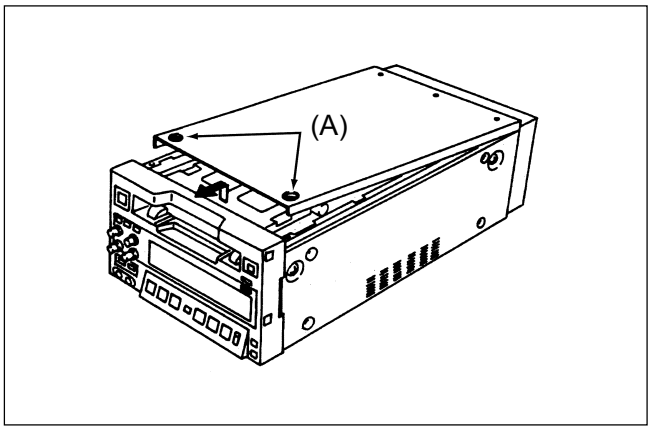
Panasonic

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Disassembly Procedures

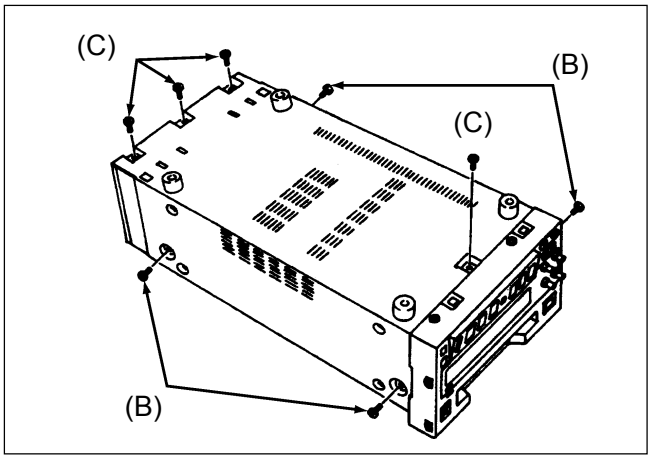
1-1. Removal of Top Panel

1. Unscrew the two screws (A).
2. Lift up the Top Plate slightly and remove it to the front.



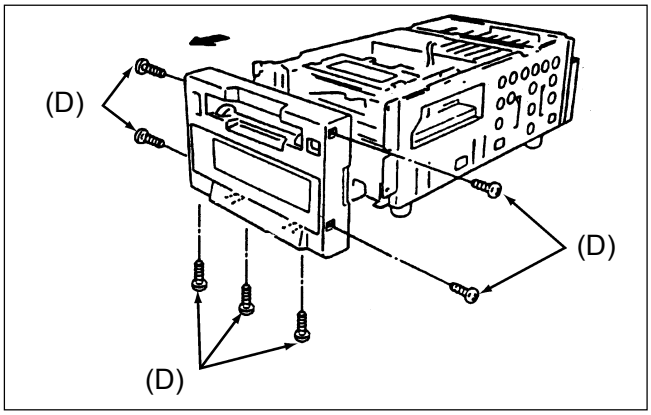
1-2. Removal of Bottom Panel

1. Unscrew the four screws (B).
2. Unscrew the four screws (C) and remove the Bottom Panel.

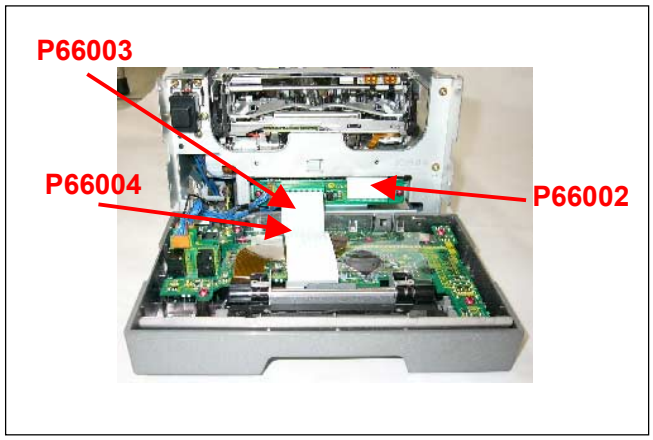


1-3. Removal of Front Panel

1. Unscrew the seven screws (D) and release the two lock claws.

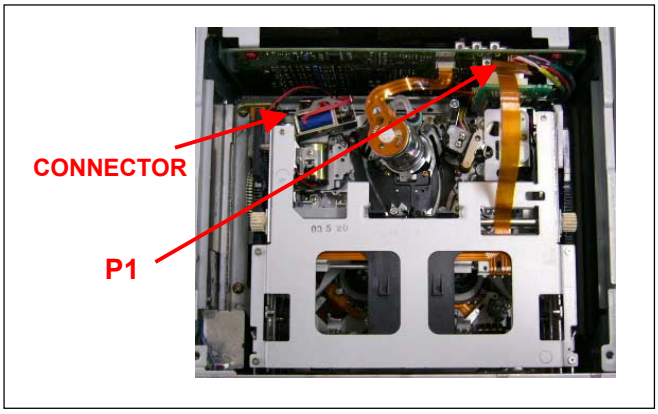


2. Open the Front Panel to the front.
3. Disconnect the three connectors (P66002, 66003, 66004) and remove the Front Panel.

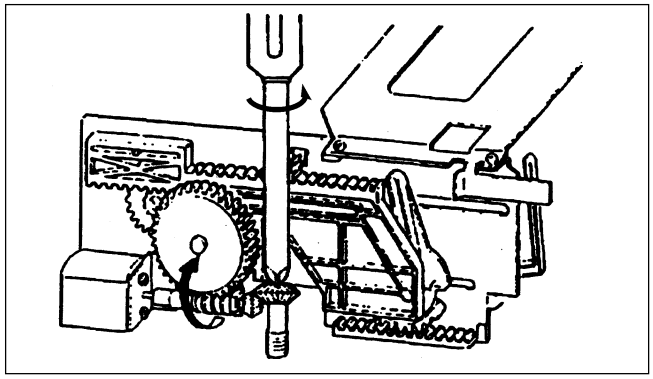


1-4. Removal of Front-loading Unit

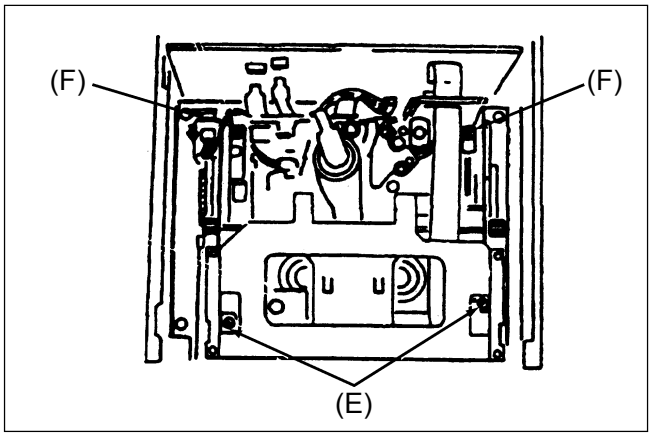
1. Disconnect the connector of the loading motor and the connector (P1).



2. Push the red plastic screw in front of the worm gear of the cassette-down motor with a screwdriver and turn it counterclockwise to move the cassette holder to the position where the two screws (E) can be seen as shown the next figure.

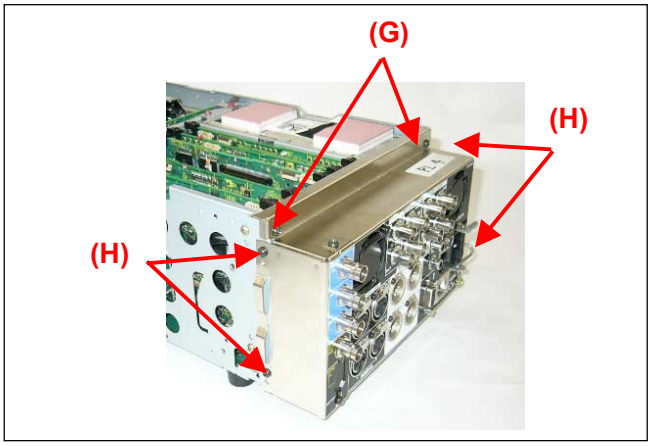


3. Unscrew the four screws (E) and (F), and then slowly lift up the Front Loading Unit.

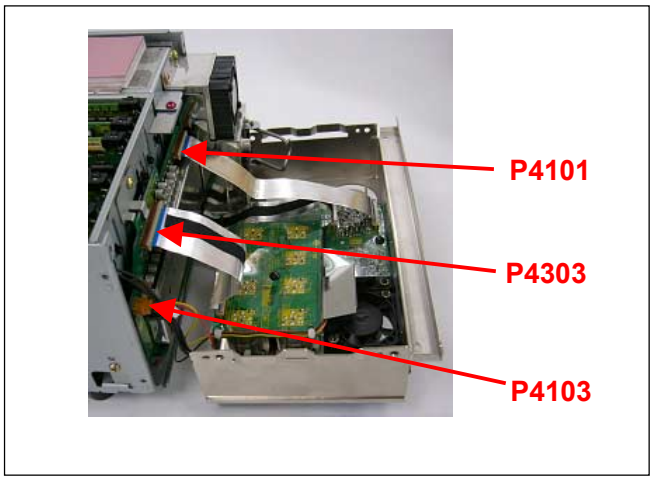


1-5. Removal of Rear Jack Panel

1. Unscrew the six screws (G) and (H).



2. Disconnect the three connectors (P4101, 4130, 4303).

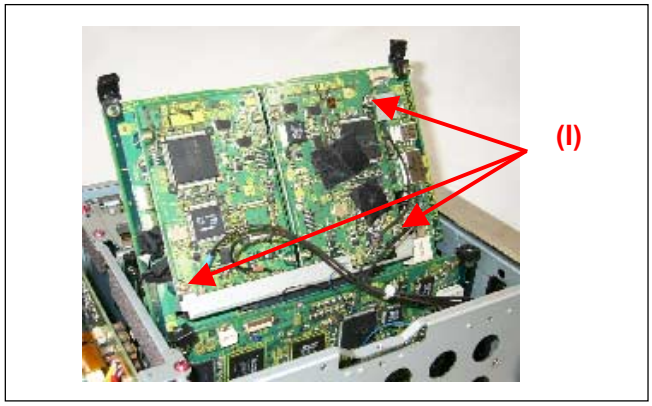


3. Remove the Rear Panel.

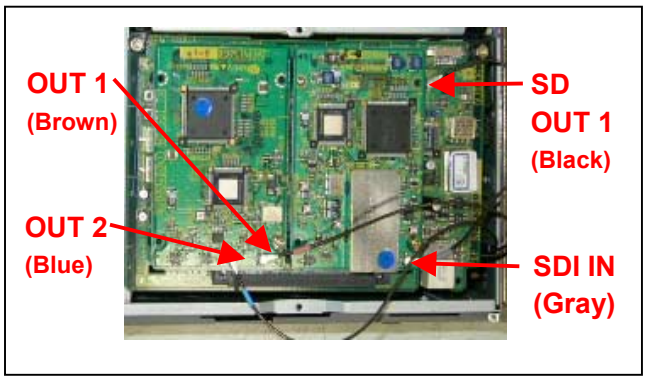
Note :

When the Optional Board AJ-YA120AG is installed, perform steps 4 to 5.

4. Temporally remove the SGEN_SDI Board and then unscrew the three screws (I), and remove the connector support angles.

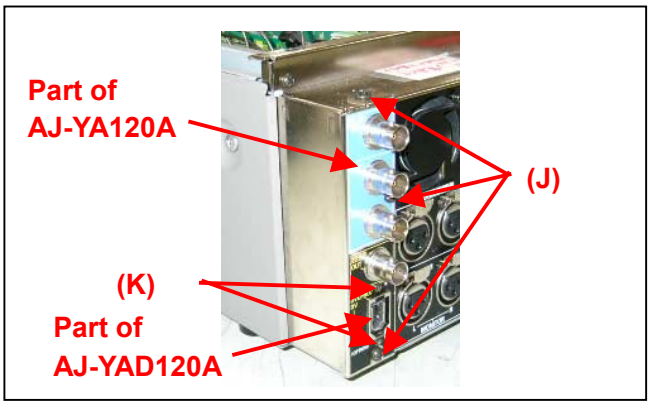


5. Disconnect the four connectors [SD OUT1 (Black), SDI IN (gray), OUT1 (Brown) and OUT2 (Blue)].



Note: When the Optional Board AJ-YA120AG or AJ-YAD120AG has been installed, perform step 6.

6. Unscrew the tree screws (J) and temporally remove the Connector Panel.

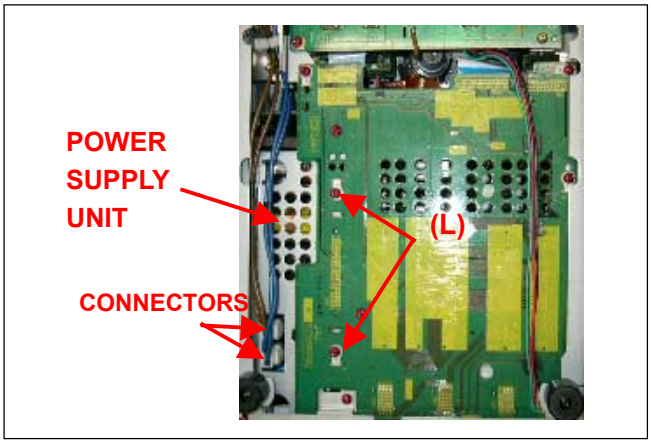


7. Open the Rear Panel and remove the SDI cables, and Connector Panel of AJ-YA120AG.
8. Unscrew the two screws (K) and remove the IEEE1394 Connector Unit of AJ-YAD120AG from the Rear Panel.

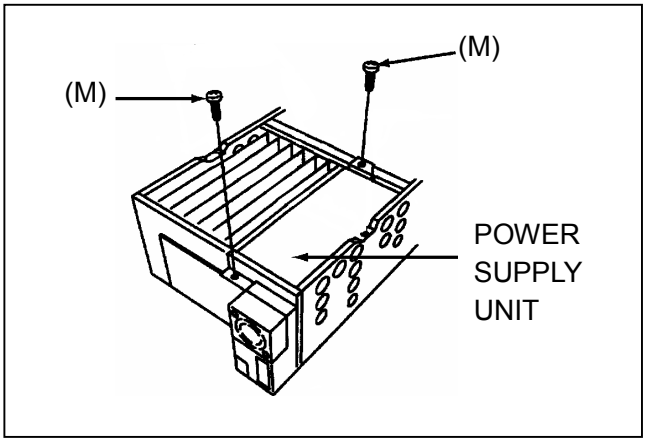
Note: 1. Pay attention not to damage the cable and wires.
2. Perform assembly by reversing the procedure.

1-6. Removal of Power Supply Unit

1. Disconnect the two connectors and unscrew the two screws (L).

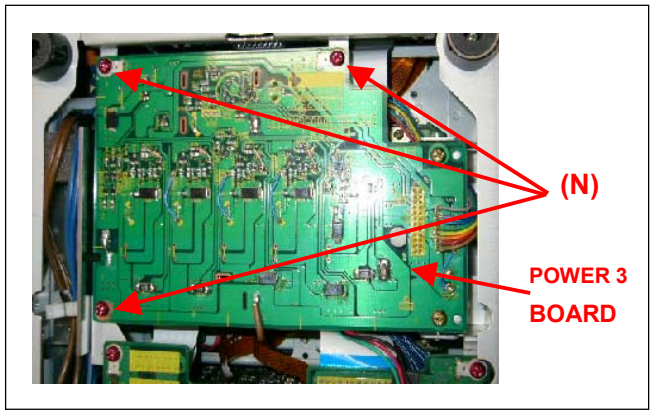


2. Unscrew the two screws (M) and lift up the Power Supply Unit to remove it.

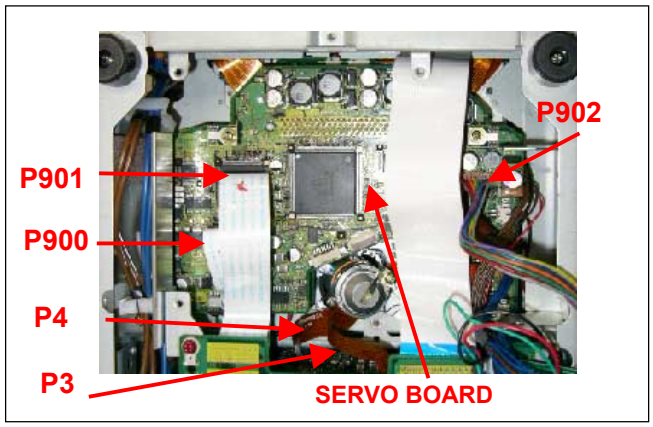


1-7. Removal of Mechanism Unit

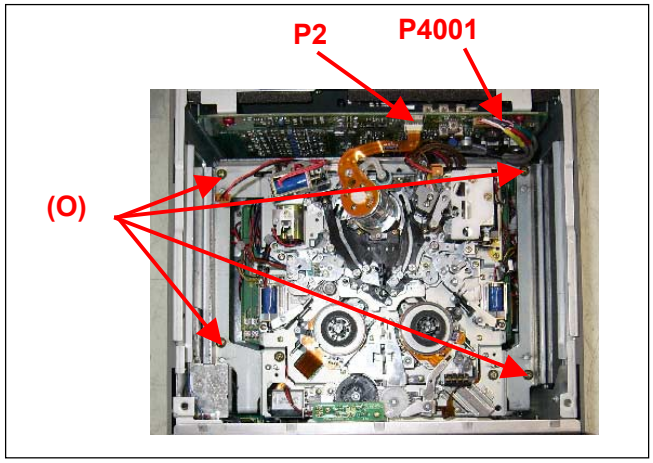
1. Unscrew the three screws (N) and open the Power 3 Circuit Board.



2. Disconnect the five connectors (P901, P900, P902, P4 and P3) On the Servo Board.



3. Disconnect the two connectors (P2, and P4001), and remove the four screws (O).



4. Slowly lift up the Mechanical Chassis Unit.

Note: Perform assembly by reversing the procedure.

1. POWER Supply Unit

1-1. Output Voltage Adjustment

BOARD	POWER 3
TP	TP1, TP14 [GND] TP2, TP14 [GND]
ADJ.	VR2, VR3
TAPE	---
INPUT	EJECT
MODE	---
M. EQ	Digital Volt Meter
SPEC.	VR2 : 1.92V ± 0.05V VR3 : 1.40V ± 0.05V

1. Connect the Digital Volt Meter (+) to TP1 and (-) to TP14, and adjust VR2 so that the voltage is in the specification.
2. Connect the Digital Volt Meter (+) to TP2 and (-) to TP14, and adjust VR3 so that the voltage is in the specification.

2. SYS (System Control) Board

2-1. Battery Voltage Detect Adjustment

BOARD	VOUT/SYS
TP	DC IN (See Figure Below)
ADJ.	SERVICE MENU "H00"
TAPE	---
INPUT	EJECT
MODE	---
M. EQ	Digital Volt Meter
SPEC.	12.00V ± 0.02V

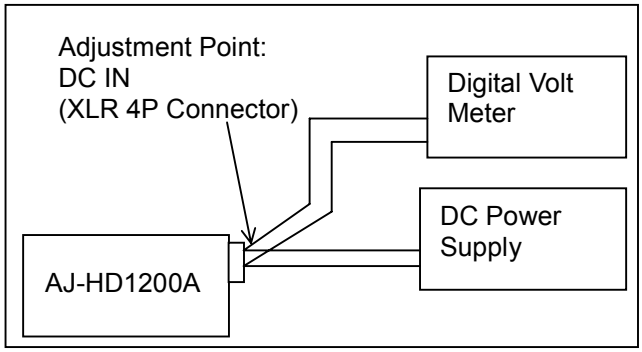
<Service Manu Setting>

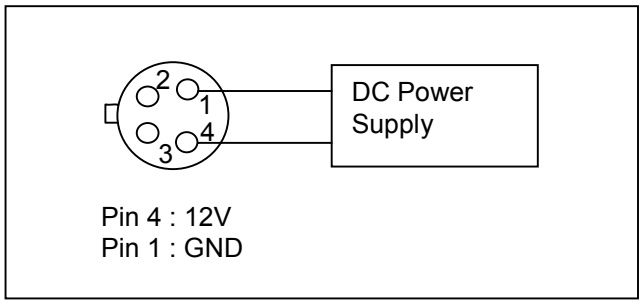
H00: OTHER ADJUST ----- H21: UNDERCUT ADJ

1. Set the 2nd bit of DIP SW1 on the VOUT/SYS Board to the ON position.
2. Set the "LOCAL/MENU/REMOTE" switche on the rigit upper side of the front panel to the MENU position.
3. Supply a DC Power from DC Supply to the XLR 4 pin connector on the rear panel as shown in the figure below.
4. Connect the Digital Volt Meter to the DC Power Supply as shown in the figure below.
5. Adjust the voltage of the DC power Supply so that the voltage is 12.00V ± 0.02V.
6. Open the Service Menu and select H00: OTHER ADJUST (H21: UNDERCUT ADJ).
7. Continually pushing the MODE button until the display is updated.
8. To return the main menu, press the PAGE and MODE buttons together.
9. Return the LOCAL/MENU/REMOTE switch to the LOCAL position, and 2nd bit of DIP SW2 to the "OFF" position.

<CAUTION>

1. Disconnect an AC cable and make this adjustment with DC Power. Supply.
2. This adjustment should be performed after completion of the Paragraph "1-1. Output Voltage Adjustment".





<Confirmation of Under Cut Operation>

1. After completion of the above adjustment, confirm the "Under Cut Operation"
2. Make sure that the Optional IF Boards AJ-YA120AG and AJ-YAD120AG are installed. If not, install them according to the Operation Instraction.
3. Supply DC 12.00V from DC Power Supplier to the XLR 4 pin connector and connect the digital volt meter as shown in the above figire.
4. Turn on the VTR power and insert a cassette tape, and place the VTR in the STOP mode.
5. Observe the VTR condition while decrease the voltage at the XLR connector for 10.60V ± 0.20V.
6. Confirm that the VTR changes to Auto Eject and then Auto Off mode.
7. If it does not, perform the adjustment steps 1 to 9 again.

3. SERVO Board

3-1. FG DC Adj.

BOARD	SERVO
TP	--------
ADJ.	SERVICE MENU
TAPE	--------
INPUT	--------
MODE	--------
M. EQ	--------
SPEC.	Perform the procedure below.

<Service Manu Setting>

SERVO ADJUST ----- A01: FG DC ADJ

1. Open the service menu and select the above.
2. The VTR performs the following operation, when continuously pressing the “MODE” button on the Front Panel.
   1) Brake Solenoid ON (Brake OFF)
   2) Capstan Motor Rotates
   3) Reel Motors Rotate

   After 5-10 seconds,
   4) Brake Solenoid OFF (Brake ON)
   5) FG DC Adjustment
3. When the FG DC adjustment is completed, it shows “A01: FG DC ADJ” “OK”.

<Note>

This adjustment is needed after replacing of Mechanical Chassis, Servo Board or VOUT/SYS Board.

3-2. Reel Torque Gain Adj.

BOARD	SERVO
TP	--------
ADJ.	SERVICE MENU
TAPE	--------
INPUT	--------
MODE	EJECT
M. EQ	--------
SPEC.	Perform the procedures below.

<Service Manu Setting>

SERVO ADJUST ----- A02: RL GAIN ADJ

1. Open the service menu and select the above.
2. The VTR perfumes the following operation, when continuously pressing the “SEARCH” button on the Front Panel.
   1) T Reel Rotates
   2) S Reel Rotates
3. After 5-6 seconds, the adjustment value on the monitor will be disappeared and then updated.
4. Repeat the steps 2 and 3 again.

<Note> This adjustment should be performed before “3-3. Reel Torque Offset Adjustment”.

3-3. Motor Torque Offset Adj.

BOARD	SERVO
TP	REEL MOTOR
ADJ.	SERVICE MENU
TAPE	---
INPUT	---
MODE	---
M. EQ	Dial Torque Gauge (VFK1191A) Dial Torque Gauge Adaptor (VFK1152)
SPEC.	0.16cN·m ± 0.01cN·m (Average of 5 times monument)

<Service Manu Setting>

SERVO ADJUST ----- A03: T TORQUE
SERVO ADJUST ----- A04: S TORQUE

1. Open the service menu and select the above.
2. Set the Dial Torque Gauge with Torque Gauge Adaptor on the T reel table.
3. Press the “MODE” button on the Front Panel.
4. Adjust the T Reel Torque by pressing the <+> and <-> buttons on the Front Panel so that the average of 5 times measurement is in the specification.
5. Press the “SET” switch on the Front Panel.
6. Perform the same steps for the S Reel Table.

3-4. PG Sifter Adj.

BOARD	SERVO
TP	SERVIE MENU
ADJ.	---
TAPE	VFM3780KML
INPUT	---
MODE	PLAY
M. EQ	OSCILLOSCOPE
SPEC.	Performer the procedures below.

<Service Manu Setting>

SERVO ADJUST ----- A05: PG SHFTER

1. Open the service menu and select the above.
2. Play back the HDLP Alignment Tape.
3. Continuously press the “MODE” switch on the Front Panel so that the previous data disappears and new data come up.

3-5. Photo Sensor Voltage Adj.

Refer the Paragraph 1-3. Photo Sensor Voltage Adj. in the “Section 3 (Mechanical Adjustment).

3-6. Tension Arm Offset Adj.

Refer the Paragraph 1-5. Tension Arm Offset Adj. in the “Section 3 (Mechanical Adjustment).

3-7. Tension Arm Play Voltage Adj.

Refer the Paragraph 1-7. Tension Arm Play Voltage Adjustment in the “Section 3 (Mechanical Adjustment).

4. RF/EQ Board

< Note >

After replacing the cylinder unit, perform the paragraphs 4-1, 4-2, 4-3 and 4-4. “RF Level Adjustments” before performing LISTA adjustment.

4-1. RF Level Adj. (HDLP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3780KML (Color Bar)
M. EQ	Oscilloscope
SPEC.	A Max = 500mVp-p ± 50mV

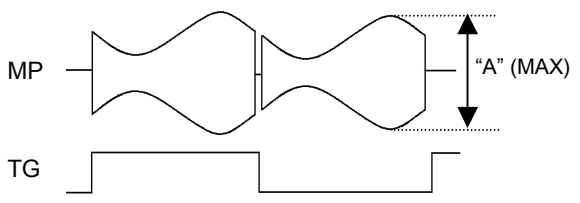
<Service Menu Setting>

B00: RF ADJUST ---- B-1: HDLP PB ADJUST

1. Open the service menu and select the “HDLP PB ADJUST”.
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the HDLP alignment tape (VFM3780KML) in the STILL mode.
4. Adjust each EVR so that the envelope maximum level is in the specification.
5. To save the EVR data, select B22 DEFAULT and press the “Set Button”, then the “SAVE” indication appears, press the “SET Button” again.

B1: HDLP_PB ADJUSTMENT

Test Point		Adj. EVR	Trigger Point
TP201 (PB L13ch)	B01 B02	PB MAG L1 PB MAG L3	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	PB MAG R1 PB MAG R3	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	PB MAG L2 PB MAG L4	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	PB MAG R2 PB MAG R4	TP4 (PB R24 HSW)
TP205 (RP L12ch)	B09 B10	RP MAG L1 RP MAG L2	TP5 (RP L12 HSW)



Refer the measuring point (MP) and torigger point (TG) in the above for each head.

4-2. RF Level Adj. (HDSP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3580KM or KL (25M Color Bar)
M. EQ	Oscilloscope
SPEC.	“A” Max = 500mVp-p ± 50mV (TP201, TP202, TP203, TP204) “A” Max = 750mVp-p ± 50mV (TP205)

<Service Menu Setting>

B00: RF ADJUST ---- B-2 HDSP ADJUST

1. Open the service menu and select the “HDSP PB ADJUST”.
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the 25M alignment tape (VFM3580KMor KL) in the STILL mode.
4. Adjust each EVR so that the envelope maximum level is in the specification.
5. To save the EVR data, select B22 DEFAULT and press the “Set Button”, then the “SAVE” indication appears, press the “SET Button” again.

<Note>

Since the adjustment value of TP205 differs from others.

B2: HDSP_PB ADJUSTMENT

Test Point		Adj. EVR	Trigger Point
TP201 (PB L13ch)	B01 B02	PB MAG L1 PB MAG L3	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	PB MAG R1 PB MAG R3	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	PB MAG L2 PB MAG L4	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	PB MAG R2 PB MAG R4	TP4 (PB R24 HSW)
TP205 (TR L21ch)	B09 B10	TR MAG L2 TR MAG L1	TP7 (TR L21 HSW)

4-3. RF Level Confirmation (SDSP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3580KM or KL (25M Color Bar)
M. EQ	Oscilloscope
SPEC.	"A" Max = 500mVp-p ± 100mV (TP201, TP202, TP203, TP204) "A" Max = 750mVp-p ± 100mV (TP205)

<Service Menu Setting>

B00: RF ADJUST ---- B-3 SDSP ADJUST

1. Open the service menu and select the "SDSP PB ADJUST".
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the 25M alignment tape (VFM3580KM or KL) in the STILL mode.
4. Make sure that each envelope maximum level is in the specification.

<Note>

Since the adjustment value of TP205 differs from others.

B-3: SDSP_PB ADJUSTMENT

Test Point		Trigger Point
TP201 (PB L13ch)	B01 B02	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	TP4 (PB R24 HSW)
TP205 (TR L21ch)	B09 B10	TP7 (TR L21 HSW)

4-4. RF Level Confirmation (DVSP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3010ESD (Color Bar)
M. EQ	Oscilloscope
SPEC.	A Max = 500mVp-p ± 100mV

<Service Menu Setting>

B00: RF ADJUST ---- B-4 SDSP ADJUST

1. Open the service menu and select the "SDSP PB ADJUST".
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the DV alignment tape (VFM3010ESD) in the STILL mode.
4. Make sure that each envelope maximum level is in the specification.

B-4: DVSP_PB ADJUSTMENT

Test Point		Trigger Point
TP201 (PB L13ch)	B01 B02	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	TP4 (PB R24 HSW)
TP205 (RP L12ch)	B09 B10	TP5 (RP L12 HSW)

4-5. Automatic Adjustment Procedure

(Software)

This software is for Automatic RF Adjustment of DVCPRO HD VTR, model AJ-HD1200A.
This adjustment should be performed after completion of the RF Level Adjustment.

< Function >

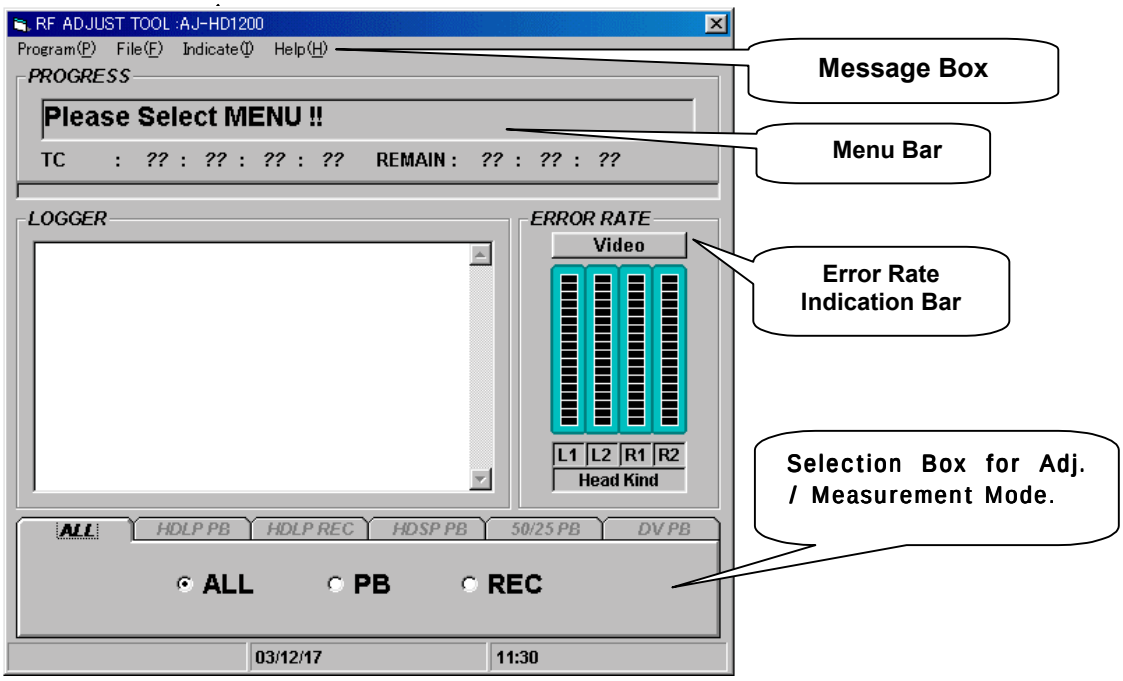
1) RF Adjustment
   [DVCPRO HD-LP (Recording and Playback), DVCPRO HD-SP, DVCPRO 50, DVCPRO and DV(Playback)]
2) Checking of Error Rate
3) Download and Upload of EVR Data
4) Saving/ Loading the data of Error Rate and EVR
5) Printing the data of Error Rate and EVR

(Before Installation)

* PC Condition
  OS : Windows95/ 98/ 98SE/ ME/ 2000 or Over
  Display : Over 256 color (if lower than 256 color, the color may have the distortion)
* How to get this software
  Download **"Automatic RF Adjustment Software (VFK1892)"** from Jig software page on Global Service Web site.
* Installation Method
  1) Extract the downloaded software.
  2) Click **"setup.exe"**.
  3) Follow the indication.
* Un-installation Method
  Open **"Control Panel"** on Windows and use **"Add/Remove Programs"** to un-install this software.

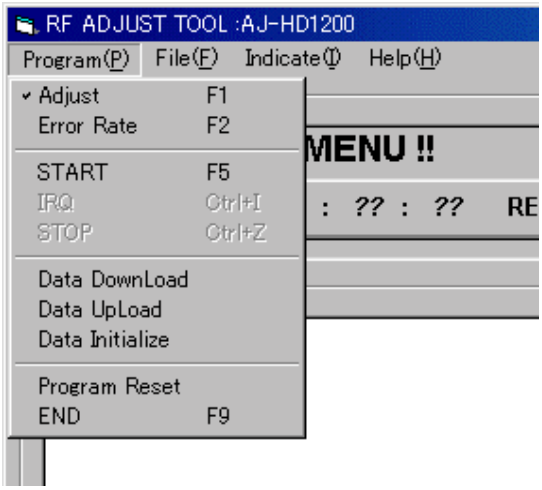
(Explanation of Each Windows)

a) Main Window



a-1) Explanation of Main window and menu bar.

1) Program Menu



[Adjust]
Adjustment program can be selected clicking this portion.

[Error Rate]
Error rate check can be selected clicking this portion.

[START]
Adjustment or Error rate checking can be started by clicking this portion.

[IRQ]
Break into the program during execution by clicking this portion. (It is effective, only on limited process.)

[STOP]
The program can be stopped, forcibly by clicking this portion.

[Data Download]
Receiving EVR data to PC from the attached VTR. (VTR to PC)

[Data Upload]
Transfer the RF adjustment data from PC to VTR for setting up. (PC to VTR)

* Data Upload can not be accessed unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is executed.

[Data Initialize (include Upload)]
Setting up the RF initial adjustment data into the attached VTR.

[Program Reset]
All parts of application program can be reset.

[END]
By clicking this portion, application software can be closed.

2) File menu

By clicking this, error rate data and EVR data can be processed as a file.



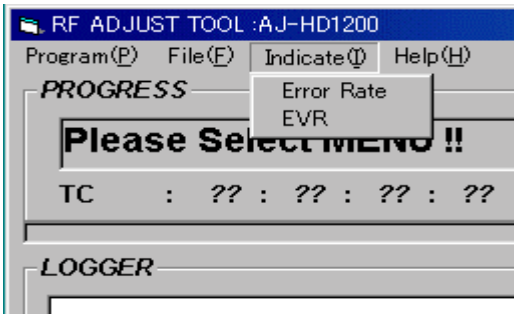
[Save]
Error rate and/or EVR data can be saved on the file.
During this mode, following file can be made. ***.dst

* This item can not be accessed unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is executed.

[Load]
Error rate and/ or EVR data can be loaded from the file (***.dst).

3) Indicate Menu

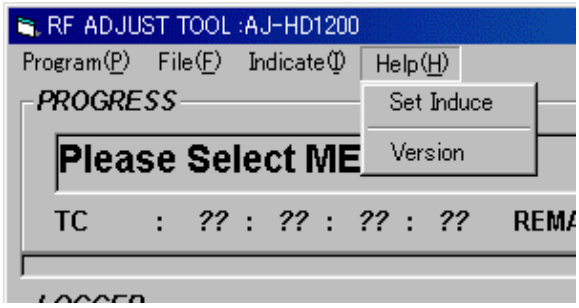
This is the menu which indicates ErrorRate/ EVR (Adjustment value)



[Error Rate]
Error rate data can be displayed.

[EVR]
EVR data can be displayed.

4) Help Menu



[Manual]
This software doesn't use this function.

[Version]
Software version is displayed.

a-2) Adjustment/ Measurement item selection BOX

1) Selection of Adjustment/ Measurement category



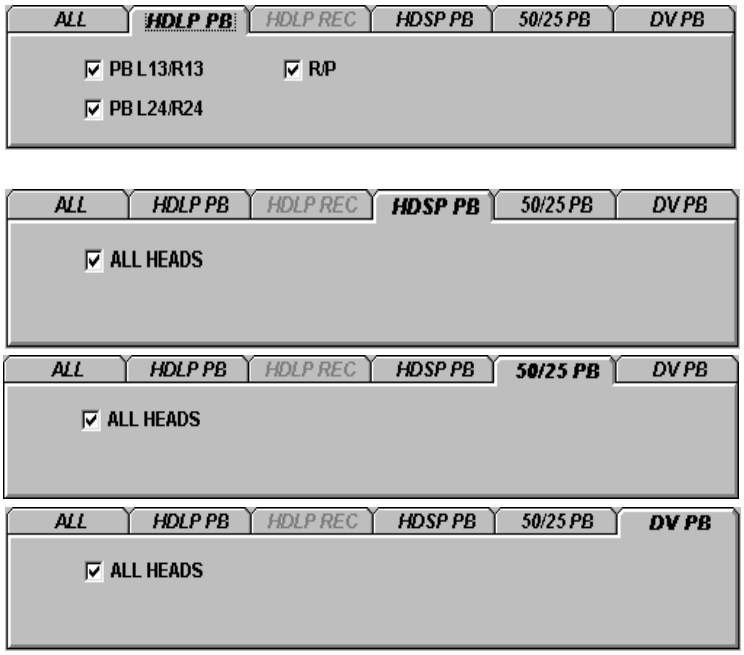
[ALL]
All items are selected.

[PB]
Playback category is selected. HDLP PB, HDSP PB, 50/25 PB or DV PB can be individually selected.

[REC]
Recording category is selected. (HDLP) can be individually selected.

2) Selection of Playback Category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)



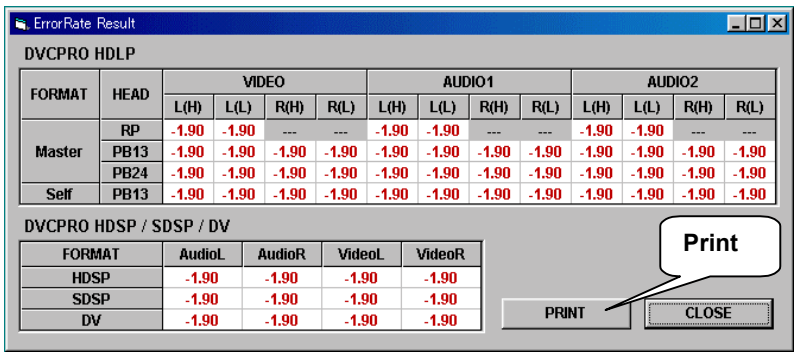
3) Selection of Recording Category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)



b) The result of error rate

The error rate data can be displayed and printed.

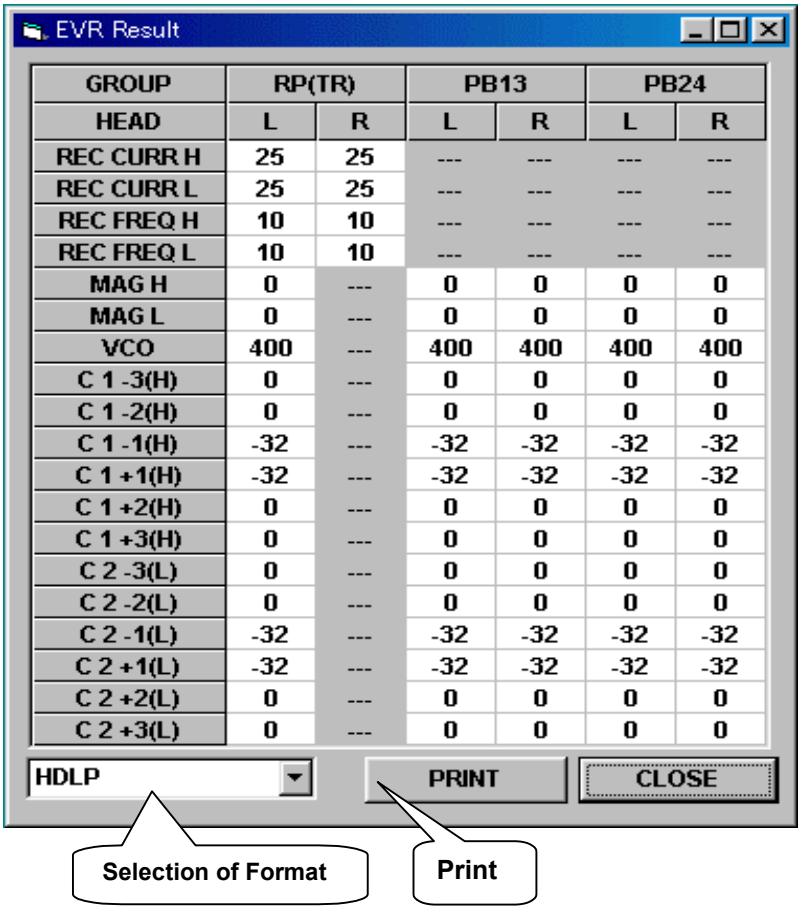


FORMAT	HEAD	VIDEO				AUDIO1				AUDIO2			
		L(H)	L(L)	R(H)	R(L)	L(H)	L(L)	R(H)	R(L)	L(H)	L(L)	R(H)	R(L)
Master	RP	-1.90	-1.90	---	---	-1.90	-1.90	---	---	-1.90	-1.90	---	---
	PB13	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90
	PB24	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90
Self	PB13	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90

FORMAT	AudioL	AudioR	VideoL	VideoR
HDSP	-1.90	-1.90	-1.90	-1.90
SDSP	-1.90	-1.90	-1.90	-1.90
DV	-1.90	-1.90	-1.90	-1.90

c) EVR value Chart

The EVR value (adjustment data) can be displayed and printed.

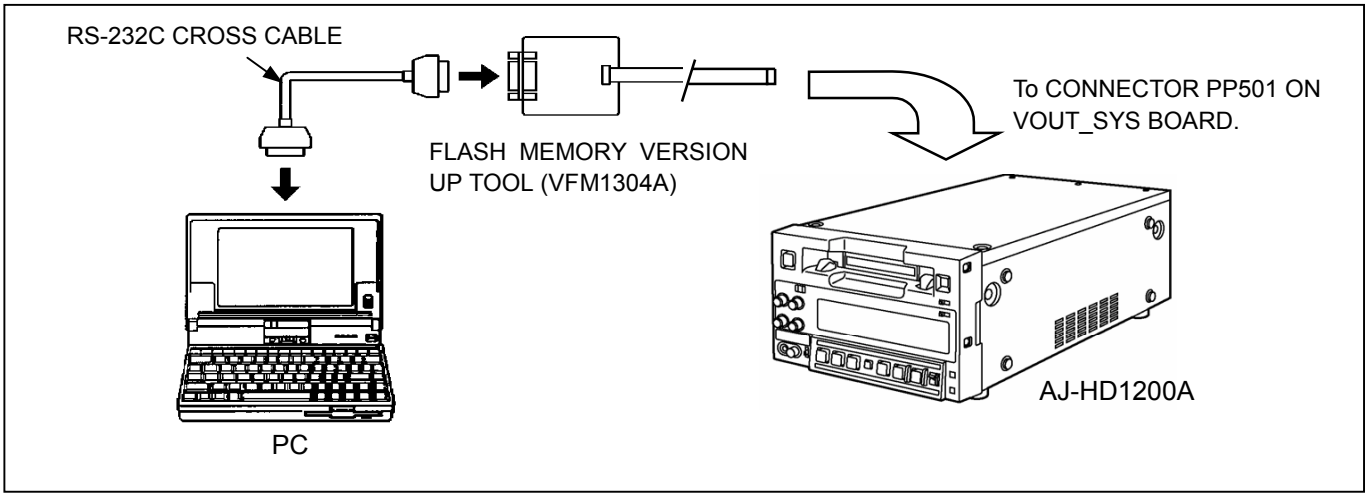


GROUP	RP(TR)		PB13		PB24	
HEAD	L	R	L	R	L	R
REC CURR H	25	25	---	---	---	---
REC CURR L	25	25	---	---	---	---
REC FREQ H	10	10	---	---	---	---
REC FREQ L	10	10	---	---	---	---
MAG H	0	---	0	0	0	0
MAG L	0	---	0	0	0	0
VCO	400	---	400	400	400	400
C 1 -3(H)	0	---	0	0	0	0
C 1 -2(H)	0	---	0	0	0	0
C 1 -1(H)	-32	---	-32	-32	-32	-32
C 1 +1(H)	-32	---	-32	-32	-32	-32
C 1 +2(H)	0	---	0	0	0	0
C 1 +3(H)	0	---	0	0	0	0
C 2 -3(L)	0	---	0	0	0	0
C 2 -2(L)	0	---	0	0	0	0
C 2 -1(L)	-32	---	-32	-32	-32	-32
C 2 +1(L)	-32	---	-32	-32	-32	-32
C 2 +2(L)	0	---	0	0	0	0
C 2 +3(L)	0	---	0	0	0	0

4-6. Auto EQ Adjustment Procedure

A) Preparation

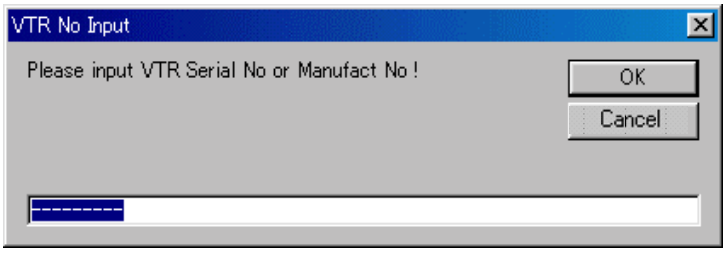
1) Connect the VTR with PC by RS232C cable (Cross cable) as below.



2) Turn the VTR power on.
3) Press the Counter Button on the Front Panel to select the “TC”.
4) Turn the 2nd bit of SW1 on the VOUT SYS on.
5) Set the LOCAL/MENU/REMOTE switch on the Front Panel at the “MENU”.
6) Select “022 PB_FORMAT” and then select “AUTO”.
7) Set the LOCAL/MENU/REMOTE switch on the Front Panel at the “REMOTE”.
8) Set the TAPE/EE switch on the Front Panel at the “TAPE”

B) Execution of Software Application.

1) Confirm that the VTR power is on.
2) Select start → Program → Panasonic Tool → HD1200Rf in the Start menu program in PC.
3) Main screen of the application software appears.
4) Open the program menu and select as follows;
   Adjustment: Select **“Program → Adjust”**.
   Measurement: Select **“Program → Error Rate”**.
5) Select the item needed about adjustment & measurement from. Adjustment/ Measurement item selection BOX (refer to (a-2)).
6) Select **“Program → Start”**
7) Input the Serial No. or Manufacture. No. and press **“OK”**.

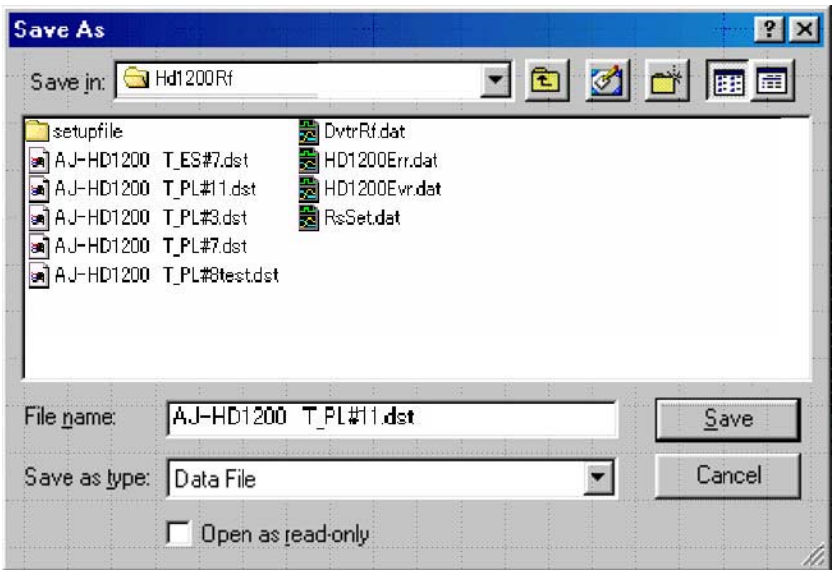


8) Follow the indication on the message box. Then adjustment is started automatically.
9) Error result is displayed after executing the adjustment program. Press close button after confirming it.
10) Select **“File → Save”** in order to save the Error rate data & EVR data to PC.
11) If it is not needed to save them, skip this process.

(Caution)
This item can not be accessed unless **“Data Download”**, **“Load on File menu”** or **all adjustment program** is executed.

12) The screen of item (7) appears again. Press **“OK”** button if serial data information is not required to be changed.

13) Following screen appears. Press **"SAVE"** button.

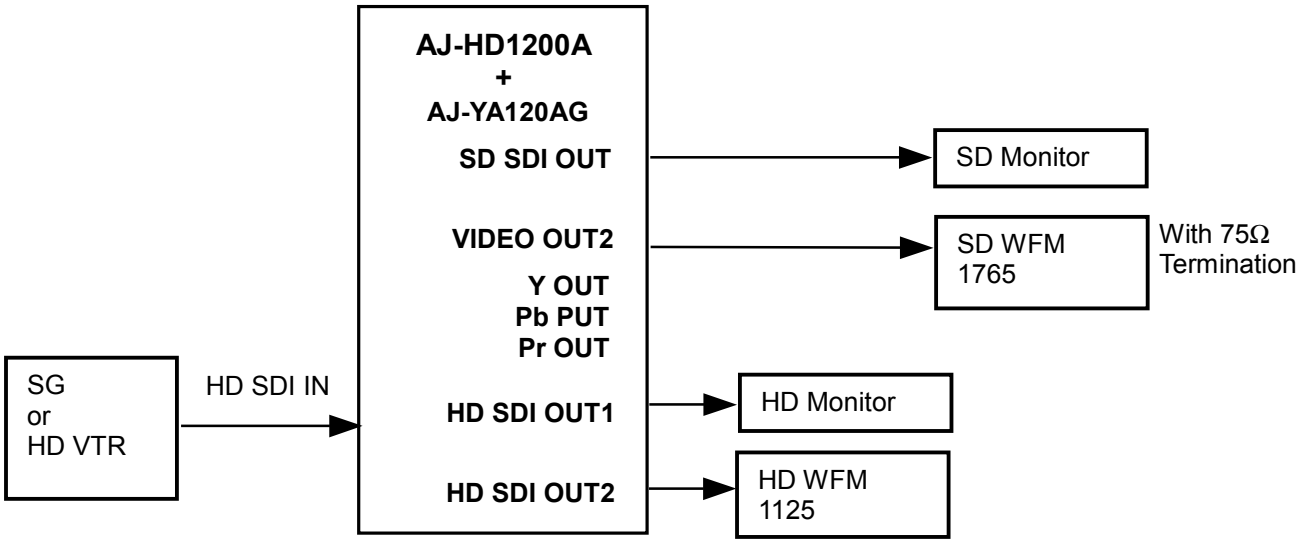


(Reference)

1) Storing the adjustment data manually is not necessary because the adjustment data is automatically stored in the memory after finishing the Automatic Equalizer adjustment.
2) Select **"Program STOP"** if the program needs to be stopped.
3) Remaining time of the tape is monitored by this program. VTR automatically rewinds the tape when the Tape remaining time isn't enough for adjustment or measurement. (Select **"Program → IRQ"** if required to stop REW mode.)

5. V OUT Board

5-1. Connection

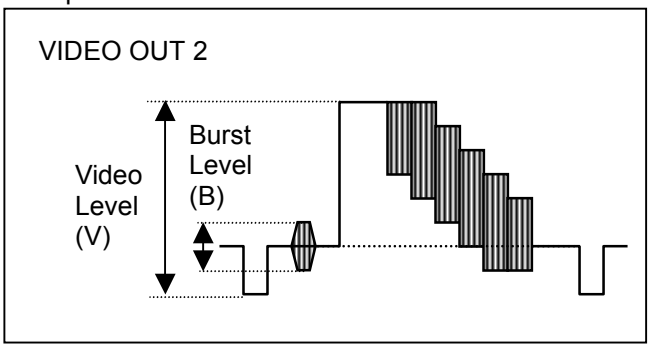


Note: 1. All cable should be 75Ω and 1.5m.
2. Optional Board AJ-YA120AG should be installed in the AJ-HD1200A

5-2. VIDEO OUT2 Level and Frequency Response Adj.

BOARD	VOUT/SYS
TP	VIDEO OUT 2
ADJ.	VR430, VR431
INPUT	----
MODE	HD SDI IN : 1080/59i Color Bar
TAPE	EE
M. EQ	WFM(1765), Vectorscope
SPEC.	Video Level (V) = 1000mV±10mV Burst Level (B) =286mV ± 7mV Vector Dot = ±2.5°, ±2.5%

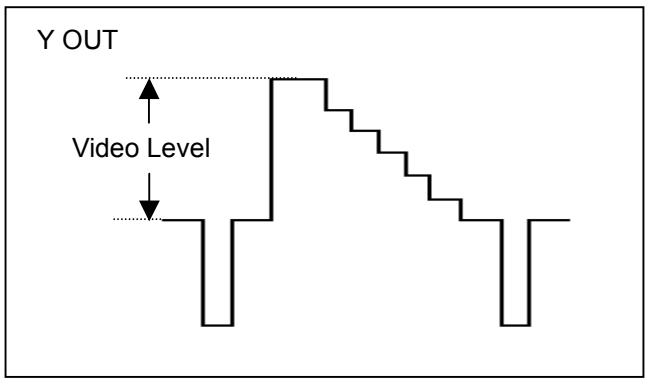
1. Adjust VR430 so that the video level (V) is in the specification.
2. Adjust VR431 so that the burst level (B) is in the specification.
3. The vector dot in the vector scope be within the specification.



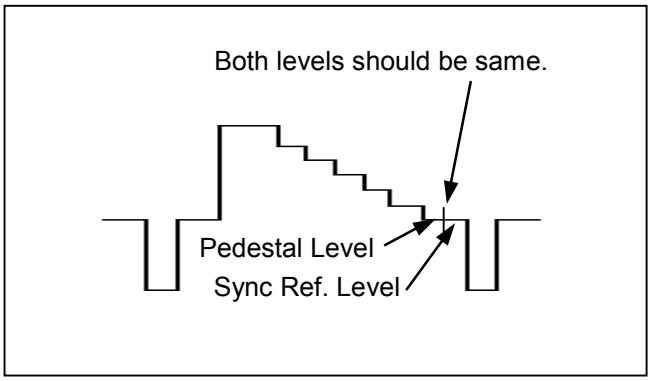
5-3. Y/G OUT Level Adj.

BOARD	VOUT/SYS
TP	Y/G OUT
ADJ.	VR300, VR306, VR307
INPUT	----
MODE	HD SDI IN : 1080/59i Color Bar
TAPE	EE
M. EQ	Oscilloscope
SPEC.	Video (V) = 700mV±10mV Sync Ref. Level = Pedestal Level (0mV DC±5mV DC) Sync Level = 600mV±10mV

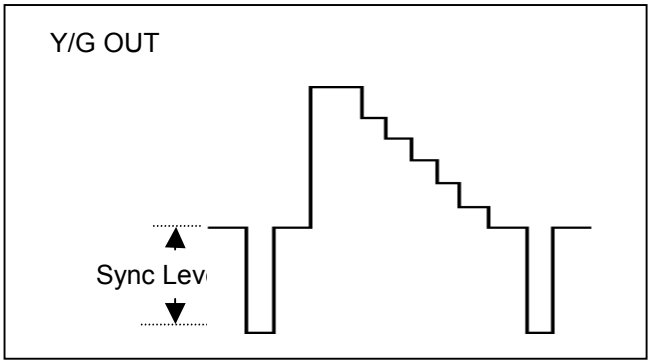
1. Adjust VR300 so that the video level (V) is in the specification.



2. Adjust VR307 so that the pedestal level meets to the sync reference level.



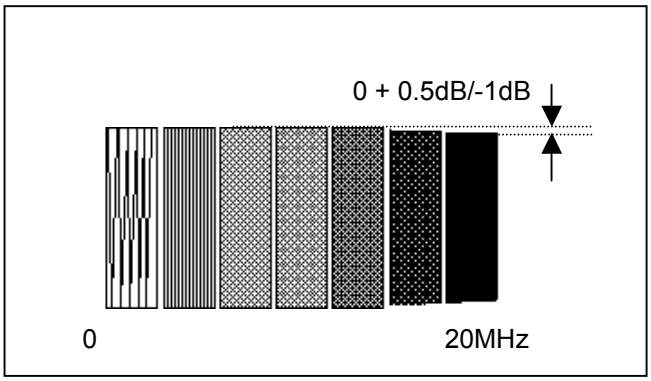
3. Adjust VR306 so that the sync level is in the specification.



5-4. Y/G OUT Frequency Response Adj.

BOARD	VOUT/SYS
TP	Y/G OUT
ADJ.	VR303
INPUT	----
MODE	HD SDI IN : 1080/59i, Multiburst (Y/Pb/Pr)
TAPE	EE
M. EQ	Oscilloscope
SPEC.	0-20MHz = Flat (0+0.5dB/-1dB)

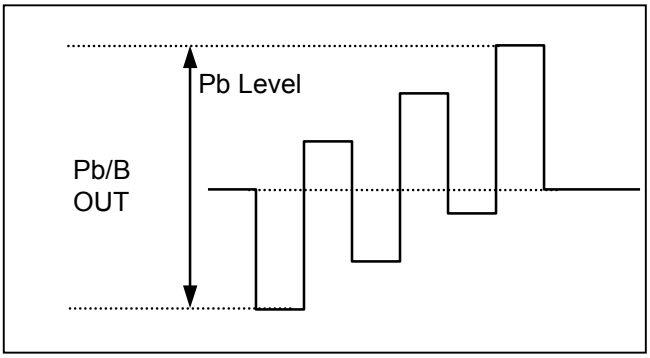
1. Adjust VR303 so that the frequency from 0 to 20MHz is in the specification.



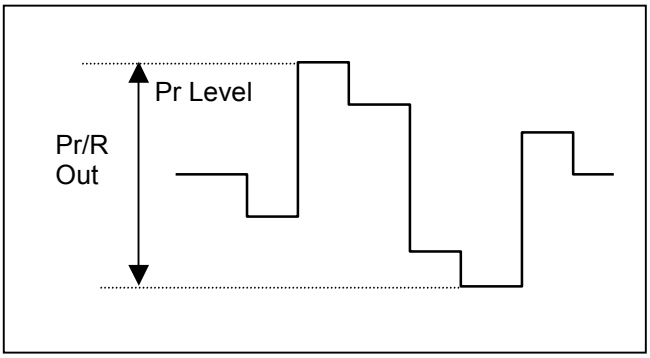
5-5. Pb/B OUT, Pr/R OUT Level Adj.

BOARD	VOUT/SYS
TP	Pb/B OUT, Pr/R OUT
ADJ.	VR301, VR302
INPUT	----
MODE	HD SDI IN : 1080/59i Color Bar (100% With Chroma)
TAPE	EE, EJECT
M. EQ	Oscilloscope
SPEC.	Pb/B OUT Level = 700mV±10mV Pr/R OUT Level = 700mV±10mV

1. Adjust VR301 so that the Pb level is in the specification.



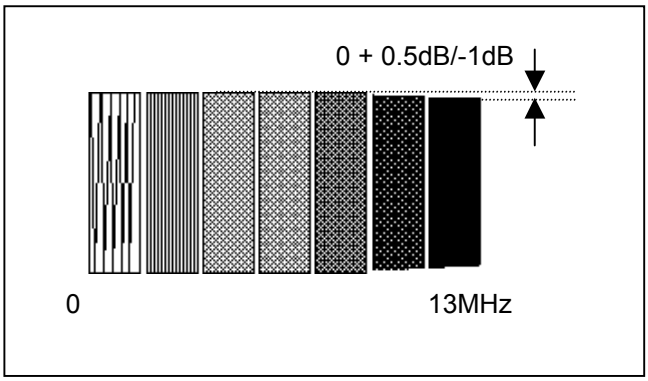
2. Adjust VR302 so that the Pr level is in the specification.



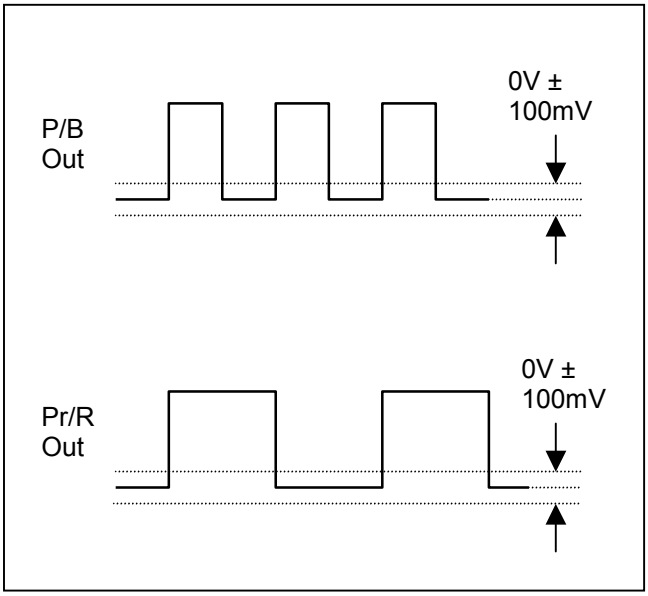
5-6. Pb/B OUT, Pr/R OUT Frequency Response and DC Level Adj.

BOARD	VOUT/SYS
TP	Pb/B OUT, Pr/R OUT
ADJ.	VR304 (Pb LV), VR305 (Pr LV)
INPUT	----
MODE	HD SDI IN : 1080/59i, Multiburst (Y/Pb/Pr)
TAPE	EE
M. EQ	Oscilloscope
SPEC.	Pb/Pr : 0-1.3MHz = Flat (0+0.5dB/-1dB) R/G/B DC Level: 0V ± 100mV

1. Connect the oscilloscope to the Pb/B output and adjust VR304 so that the frequency from 0 to 13MHz is in the specification.
2. Connect the oscilloscope to the Pr/R Output and adjust VR305 so that the frequency from 0 to 13MHz is in the specification.



3. Open the setup menu (616) and select the RGB from the Y/Pb/Pr.
4. Confirm that the DC level on the RGB signal is in the specification.



6. A PROC (Audio) & CUE Boards

6-1. Initial Setting

♦ In order to perform the audio recording and playback adjustment, Optional Board AJ-YA120AG should be installed.

<Switches on the Front Panel>

Set the Switch and Control on the Front Panel as shown below.

Switch & Control	Setting
REC VR (CH1, 2, 3, 4)	PUSH DOUN
HP VR	CENTER
AUDIO MON SELECT	ST
REMOTE/MENU/LOCAL	LOCAL

<Audio Analyzer Setting>

Set the Audio Analyzer as shown below.

Item	Setting
GENERATOR OUTPUT	50Ω (A&B, BAL, FLOAT)
ANALYZER CHA INPUT	100Ω
ANALYZER CHB INPUT	100Ω
UNIT SETTING	dBu

<Service Menu Setting>

1. Turn ON the 2nd pin of DIP SW1 on the V OUT/SYS Board.
2. Set the REMOTE/MENU/LOCAL switch on the right side of Front Panel to the MENU position so that the “Service Menu” appears.
3. Move the cursor to the following number and set each item.

No.	Item	Setting
G01	REF. LEVEL1	P : FS20 E/MC : FS18
G02	REF. LEVEL2	0dB
G03	REF.LV INI	P/E : 0dB MC : 4dB
G21	IN IMP INI	HIGH
G22	AUD OUT SELUE	TYPE 1

< Setup Menu Setting for Audio >

1. Set the REMOTE/MENU/LOCAL switch on the right side of Front Panel to the MENU position so that the “Service Menu” appears.
2. Move the cursor to the following number and set each item.

No.	Item	Setting	
		P/E	MC
700	AUDIO IN SE L	ANA	
701	CH1 IN LV	0dB	+4dB
702	CH2 IN LV	0dB	+4dB
703	CH3 IN LV	0dB	+4dB
704	CH4 IN LV	0dB	+4dB
706	CH1 OUT LV	0dB	+4dB
707	CH2 OUT LV	0dB	+4dB
708	CH3 OUT LV	0dB	+4dB
709	CH4 OUT LV	0dB	+4dB
730	REC CUE	CH1+2	
731	PB FADE	AUTO	
732	EMBEDED AUD	ON	
765	CUE OUT SEL	OFF	
769	MONI SEL	PLYPCM	
770	MONITOR MIX	STEREO	
771	H.PHONE MIX	STEREO	
780	AUD OUT SEL	LINE	
781	IN IMP SEL	HIGH	

6-2. Output Level Adj.

BOARD	A PROC
TP	LINE OUT (CH1-CH4)
ADJ.	VR201 [CH1 OUT LV] VR202 [CH2 OUT LV] VR203 [CH3 OUT LV] VR204 [CH4 OUT LV]
INPUT	INT SG (MENU:700)
MODE	EE
TAPE	---
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E: 0 dBu ± 0.2dB AJ-HD1200AMC : +4 dBu ± 0.2 dB

1. Open the setup menu and select the “(700): AUDIO IN SEL”, and set the “INT SG”.
2. Adjust VR201, VR202, VR203 and VR204 so that the Line Output Level at CH1-CH4 is in the specification.
3. Make sure that the Audio Level Meters CH1 and CH2 show as follows.
   AJ-HD1200AP ---------- -20dB
   AJ-HD1200 A E /MC ------ -18dB
4. Change the Audio Level Meter selection to the CH3 and CH4, and confirm that the meter show the same as above.

6-3. Input Level Adj.

BOARD	A PROC_CUE
TP	LINE OUT (CH1-CH4)
ADJ.	VR401 [CH1 IN LV] VR402 [CH2 IN LV] VR403 [CH3 IN LV] VR404 [CH4 IN LV]
INPUT	AUDIO IN (CH1-CH4)
MODE	EE
TAPE	---
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E : 0 dBu ± 0.2dB AJ-HD1200AMC : +4 dBu ± 0.2 dB

1. Adjust VR401, VR402, VR403 and VR404 so that the audio level at the Line Outputs (CH1-CH4) is in the specification.

6-4. CUE PB Level Adj.

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR413 [CUE PB]
INPUT	---
MODE	PLAY
TAPE	VFM3380KM (50M) VFM3580KM/KL (25M/ 0-14min.) VFM3783KML (HDSP/ 0-10min.)
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E : 0 dBu ± 1dB AJ-HD1200AMC : +4 dBu ± 1dB

1. Open the setup menu and select “(769) MONI SEL”, and then set the “PLYCUE”.
2. Select “(780) AUD OUT SEL” and then set the “CH1/2”.
3. Play back the 50M Alignment Tape.
4. Adjust VR413 so that the playback level at the Line Out CH3 is in the specification.
5. Play back the 25M and HDSP Alignment Tape, and make sure that the playback level is in the specification.

6-5. CUE Noise Cancel Adj. (HDSP Mode)

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR4306 [C LV18] VR4301 [C PS18]
INPUT	---
MODE	PLAY
TAPE	VFM3783KML
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E : -40dBu or Less AJ-HD1200AMC : -36dBu or Less

<Audio Analyzer Setting>
Set the Audio Analyzer as shown below.
MEASURE: BANDPASS
BP/BR FREQ: 1200Hz
FILTER: OFF

1. Play back the portion after 10 unites of the Alignment Tape (VFM3783KML/ Without Cue Audio).
2. Adjust VR4306 and VR4301 alternately for 3-4 times to minimize the noise level.

6-6. CUE Noise Cancel Adj. (50M Mode)

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR4305 [C LV9] VR4302 [C PS9]
INPUT	---
MODE	PLAY
TAPE	
M. EQ	
SPEC.	Less than -36dBu

<Audio Analyzer Setting>
Set the Audio Analyzer as shown below.
MEASURE: BANDPASS
BP/BR FREQ: 600Hz
FILTER: OFF

1. Create a 50M recorded tape without the CUE audio by any other DVCPRO50.
   And play back the recorded portion.
2. Adjust VR4305 and VR4302 alternately 3-4 times to minimize the noise level.

6-7. CUE Bias Current Adj.

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR4001 [CUE BIAS]
INPUT	LINE IN (CH1, CH2), AJ-HD1200AP/E : 1KHz, 0 dBu AJ-HD1200AMC : 1KHz, +4 dBu
MODE	REC → PLAY
TAPE	Blank Tape
M. EQ	Audio Analyzer
SPEC.	Maximum Output of Self-Recording/Playback Within -0.5dB

<Audio Analyzer Setting>
Set the Audio Analyzer as shown below.
MEASURE: BANDPASS
BP/BR FREQ: 600Hz
FILTER: OFF

1. Set VR4001 fully CCW position.
2. Reset the front CTL counter to “0”.
3. Supply the above 1 KHz sine wave signal to the LINE IN CH1 and CH2.
4. Place the unit in the record mode and rotate VR4001 by 45 degrees for every fixed time at a time as shown the table below.

Rotation of VR4001	Recording Time (CTL Counter) [Example]
0° (Fully CCW)	00:00:00 - 00:30:00
45°	00:30:00 - 01:00:00
90°	01:00:00 - 01:30:00
135°	01:30:00 - 02:00:00
180°	02:00:00 - 02:30:00
225°	02:30:00 - 03:00:00
270°	03:00:00 - 03:30:00
315° (Fully CW)	03:30:00 – 04:00:00

5. Play back the portion just recorded and set VR4001 at the point where the Play back the portion recorded and set VR4001 as the point where the maximum CH3 output.
6. maximum CH3 output.

6-8. CUE REC/PB Level Adj.

BOARD	RF/CUE
TP	LINE OUT
ADJ.	VR4002 [REC CURR]
INPUT	LINE IN, AJ-HD1200AP/E : 1KHz, 0 dBu AJ-HD1200AMC : 1KHz, +4 dBu
MODE	REC → PLAY
TAPE	Blank Tape
M. EQ	Audio Analyzer
SPEC.	AJ-HD1200AP/E : 0 dBu ± 1 dB AJ-HD1200AMC : +4 dBu ± 1 dB

1. Open the Set-up menu and select “(730) REC CUE” and set “CH1+2”.
2. Supply the following signal to both CH1 and CH2 LINE IN.
   AJ-HD1200AP/E: 1 kHz, 0dBu ± 1dB
   AJ-HD1200AMC: 1 KHz, +4dBu ± 1dB
3. Confirm that the playback level is in the specification.
   If not, adjust VR4002 and repeat the steps 1-3 until the playback level is in the specification.

7. SGEN_SDI & UDC Boards (AJ-YA120AG)

Preparation

1. In order to perform the electrical adjustment for the optional SDI In/OUT Board (AJ-YA120AG), it should be installed in the Digital HD Video Cassette Player AJ-HD1200A.
2. Refer the Operation Instructions for more details of the installation.

7-1. NTSC 4fsc Adj.

BOARD	SGEN SDI / UDC
TP	TP300
ADJ.	VR305 [NTSC FREQ]
TAPE	---
INPUT	---
MODE	EE
M. EQ	Frequency Counter
SPEC.	14.318180MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 59/60
OUTREF: SDREF
HD FREQUENCY: 59/23
SYS FORMAT 1080i

1. Do not supply any signal to the SDREF input.
2. Connect the frequency counter to TP300 and adjust VR305 so that the frequency is in the specification.

7-2. HD 74MHz / 59.94HzAdj.

BOARD	SGEN SDI / UDC
TP	TP401
ADJ.	VR401 [HD FREQ59]
TAPE	---
INPUT	EE
MODE	---
M. EQ	Frequency Counter
SPEC.	74.175824MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 59/60
OUTREF: HDREF
HD FREQUENCY: 59/23
SYS FORMAT 1080i

1. Connect the frequency counter to TP401 and adjust VR401 so that the frequency is in the specification.

7-3. PAL 4fsc Adj.

BOARD	SGEN SDI / UDC
TP	TP300
ADJ.	VR304 [PAL FREQ]
TAPE	---
INPUT	---
MODE	EE
M. EQ	Frequency Counter
SPEC.	17.734475MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Connect the frequency counter to TP300 and adjust VR304 so that the frequency is in the specification.

7-4. HD 74.25MHz / 50Hz, 60.00Hz Adj.

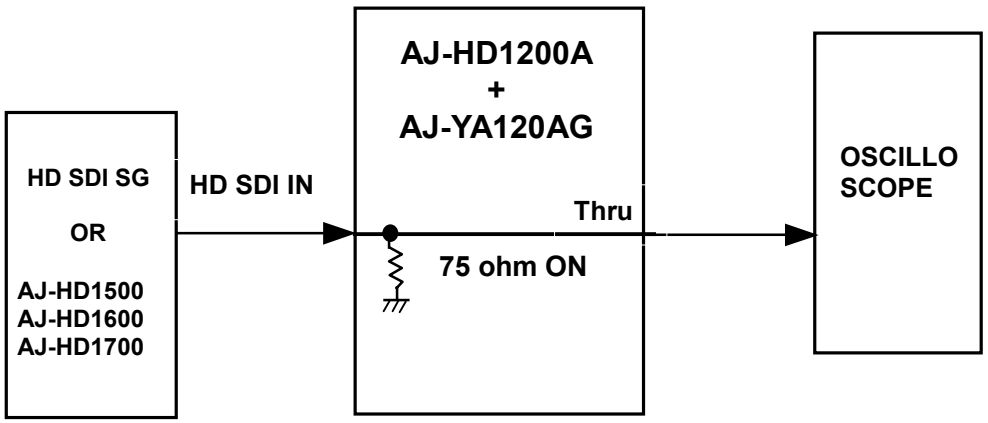
BOARD	SGEN SDI / UDC
TP	TP401
ADJ.	VR400 [HD FREQ60]
TAPE	---
INPUT	---
MODE	EE
M. EQ	Frequency Counter
SPEC.	74.250000MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: HDREF

1. Connect the frequency counter to TP400 and adjust VR400 so that the frequency is in the specification.

Adjustment System



Not: ALL cables should be 75 ohm and 1.5m.

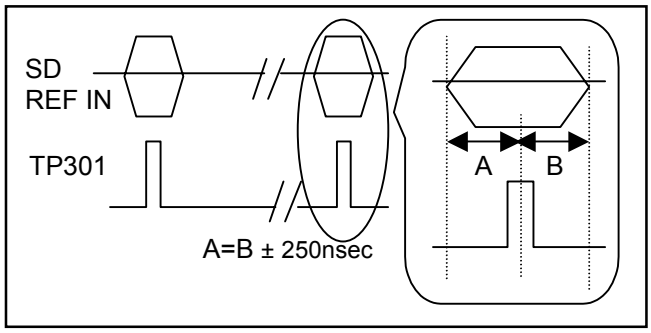
7-5. NTSC Burst Sampling Phase Adj.

BOARD	SGEN SDI / UDC
TP	SD REF IN Through OUT, TP301
ADJ.	VR302 [NTSC_S/H]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Pulse at TP301=Center of Burst ± 250nsec (A=B ± 250nsec)

<VTR Menu Setting>

SYSTEM FREQUENCY:	59/60
OUTREF:	SDREF
HD FREQUENCY:	59/23
SYS FORMAT	1080i

1. Adjust VR302 so that the position of sampling pulse (TP301) is positioned at the center of the burst signal on the SD REF signal.



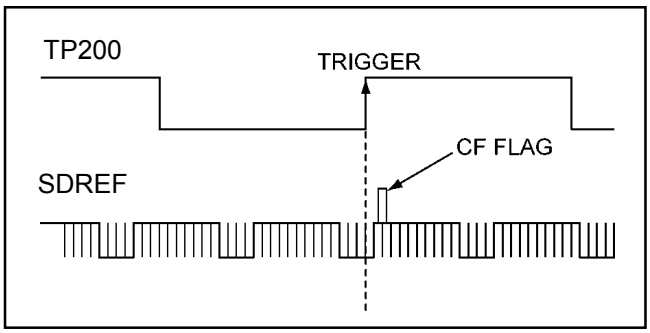
7-6. NTSC CF Phase (1) Adj.

BOARD	SGEN SDI / UDC
TP	TP200, SD REF IN Through OUT
ADJ.	VR300 [NTSC_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	CF flag of SD REF input is coincided with leading edge of TP200

<VTR Menu Setting>

SYSTEM FREQUENCY:	59/60
OUTREF:	SDREF
HD FREQUENCY:	59/23
SYS FORMAT	1080i

1. Supply the same signal to the SD REF IN (thru out) to the oscilloscope.
2. Set VR300 at fully CCW position.
3. Slowly rotate VR300 CW and stop it when the CF flag on the SD REF meet the rising edge of TP200.



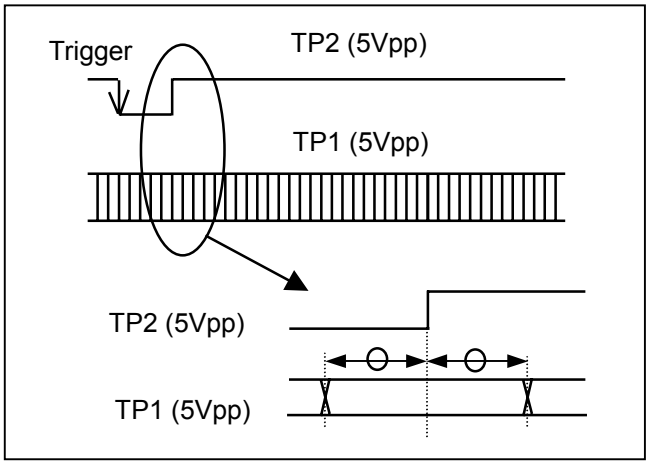
7-7. NTSC CF Phase (2) Adj.

BOARD	SGEN SDI / UDC
TP	TP1, TP2, TP200, HD REF IN Through
ADJ.	VR300 [NTSC_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Rising Edge of TP2=Center of pulse of TP1 (Center ± 5nsec)

<VTR Menu Setting>

SYSTEM FREQUENCY: 59/60
OUTREF: SDREF
HD FREQUENCY: 59/23
SYS FORMAT 1080i

1. Adjust VR300 so that the rising edge of TP2 is at the center of TP1.
2. After completion of step 1, confirm “7-6. NTSC CF Phase Adjustment (1)”.



<Note>

The oscilloscope should be observed in the CHOP mode.

Do not rotate VR300 too much, which may invert the phase of the CF pulse. If this is the case, repeat “7-6. NTSC CF Phase (1) Adj. and 7-7. NTSC CF Phase (2) Adj.”.

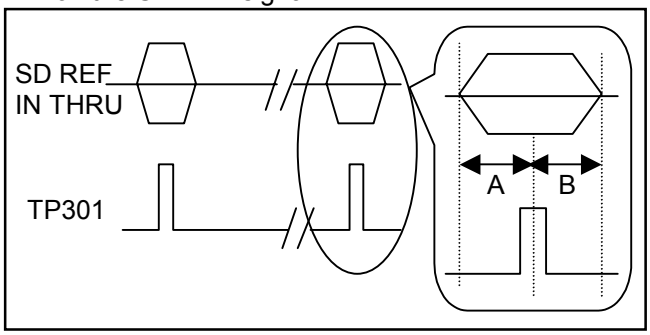
7-8. PAL Bust Sampling Phase Adj.

BOARD	SGEN SDI / UDC
TP	TP301
ADJ.	VR303 [PAL_S/H]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Pulse at TP301=Center of Burst ± 250nsec (A = B ± 250nsec)

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Adjust VR303 so that the position of sampling pulse (TP301) is at the center of the burst signal on the SD REF signal.



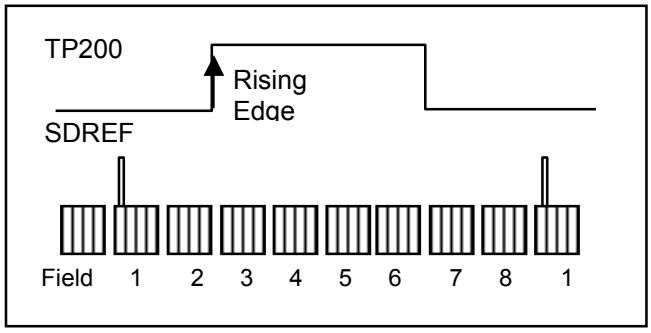
7-9. PAL CF Phase (1) Adj.

BOARD	SGEN SDI / UDC
TP	TP200, SD REF IN Through
ADJ.	VR301 [PAL_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Rising Edge of TP200 = 3rd Field of SD REF

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Supply the same signal to the SD REF IN (thru out) to the oscilloscope.
2. Set VR301 at fully CCW position.
3. Slowly rotate VR301 CW and stop it when the 3rd field of on the SD REF meets the rising edge of TP200.



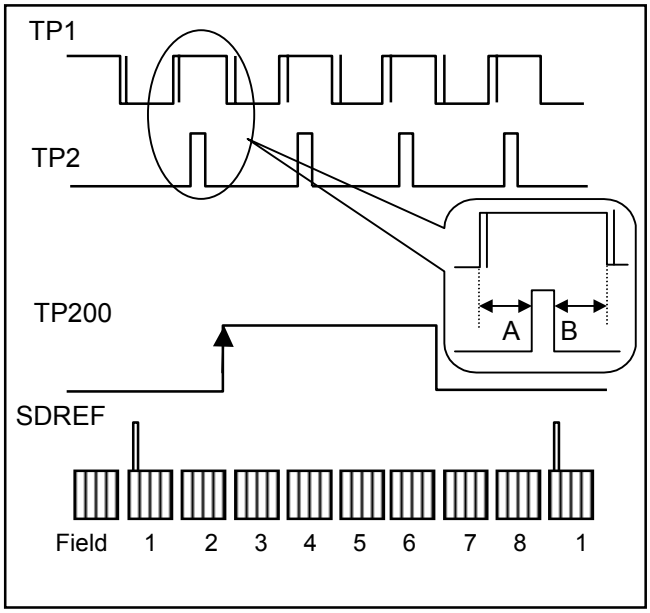
7-10. PAL CF Phase (2) Adj.

BOARD	SGEN SDI / UDC
TP	TP1, TP2, TP200, SD REF IN Through
ADJ.	VR301 [PAL_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	· A = B ± 2msec. · Rising Edge of TP200 =: 3rd Field of SD REF SD REF

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Adjust VR301 so that the rising edge of TP2 is at the center of TP1.
2. Repeat “7-9. PAL CF Phase (1) Adj. and 7-10. PAL CF Phase (2) Adj.”



8. 1394 IF Boards (AJ-YAD120AG)

Preparation

1. In order to perform the electrical adjustment for the optional 1394 IF Board (AJ-YAD120AG), it should be installed in the Digital HD Video Cassette Player AJ-HD1200A.
2. Refer the Operation Instructions for more details of the installation.

8-1. PLL Adj.

BOARD	1394 IF
TP	TP671
ADJ.	VC670
TAPE	---
INPUT	---
MODE	EJECT
M. EQ	Digital Volt Meter
SPEC.	1.5V ± 0.1V

1. Do not connect an IEEE1394 cable to the Board.
2. Adjust VC670 so that the voltage is in the specification.

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

ELECTRICAL REPLACEMENT PARTS LIST

For AJ-HD1200AP

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
■ E10	VEP81203D	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203D
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
C1,C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3,C4	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C5,C6	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C7,C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C9,10	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C14-17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	4	
C18-26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C27-31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C50-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	24	
C100-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	15	
C150-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C166,67	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	2	
C168,69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C170	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C171	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C174	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C175-84	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C200	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C201	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C202	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C203-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C250,51	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C252	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C255	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C256	ECUX1C184KBN	C.CAPACITOR CH 16V 0.18U	1	
C257-69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C290	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C300,01	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C302-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C370-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C374	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C375,76	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C377	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C378	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C379	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C380-92	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C452	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C457-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C500-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C511	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C551	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C552-57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C558	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C559	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C561-81	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	21	
C650,51	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C652	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C653	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C654-58	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C659	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C660,61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C662,63	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C664,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C670	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D150,51	MA3J14300L	DIODE	2	
D650	LN1271RAL	DIODE	1	
FL500,01	EZAST33AAAJ	FILTER	2	
IC1,C2	C0CBABD00005	IC	2	
IC3	DS90CR217MTD	IC	1	C0ZBZ0000466

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4	DS90CR218MTD	IC	1	C0ZBZ0000468
IC5	C0CBAAD00023	IC	1	
IC50,51	C3HBKG000002	IC	2	
IC52	C3HBKZ000001	IC	1	
IC53	C1ZBZ0002371	IC	1	
IC100	C1AB00001751	IC	1	
IC101,02	C3HBKZ000001	IC	2	
IC150	MB87J1460	IC	1	C1AB00001232
IC151,52	C3ABQG000045	IC	2	
IC153	C0JBAZ000279	IC	1	
IC154	C0CBBDB00004	IC	1	
IC155	C0CBADD00003	IC	1	
IC156	C0ABEB000017	IC	1	
IC157,58	C0JBAZ001958	IC	2	
IC200	L7A1644	IC	1	C1AA00000231
IC201,02	MN47V07AF	IC	2	
IC250,51	MN673797A	IC	2	
IC252	BH7086KV	IC	1	C1ZBZ0001649
IC253	C0JBAB000422	IC	1	
IC254	C0JBAB000350	IC	1	
IC300	C1ZBZ0002371	IC	1	
IC370	C0CBABD00005	IC	1	
IC371	C3ABRG000011	IC	1	
IC372	H1ZYYYYB0004	IC	1	
IC373	C1AB00001590	IC	1	
IC450	C1ZBZ0002212	IC	1	
IC500	C1AB00001589	IC	1	
IC550	C0CBABD00005	IC	1	
IC551	C1ZBZ0002212	IC	1	
IC552	DS90LV047AC	IC	1	
IC553,54	DS90LV048AC	IC	2	
IC555	XC62FP3202P	IC	1	
IC556	C0CBABD00005	IC	1	
IC557	C0JBAZ002080	IC	1	
IC558-60	DS90LV048AC	IC	3	
IC561	DS90LV047AC	IC	1	
IC562	C0JBAZ001958	IC	1	
IC652	C2DBML000004	IC	1	
IC660	C3FBLD000046	IC	1	
ID0	VVVSI4279B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4284D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4285B	SOFTWARE	1	DOWNLOAD ONLY
ID3	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L6	VLP0183	COIL	6	J0JKC0000007
L250	VLQ0319K150	COIL 15UH	1	G1C150KA0002
L650,51	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	
P300	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
P650	K1KA10A00303	CONNECTOR (MALE)	1	
P651	VJS3791B020	CONNECTOR (FEMALE)	1	
QR650	UNR521300L	TRANSISTOR	1	
R1-R4	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R5,R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8	EXBV8V102J	COMBI.R-R 1K	1	
R14	EXBV8V101J	COMBI.R-R 100	1	
R50-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R54-61	D1H833040002	COMBI.R-R 33	8	
R62,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66	D1H833040002	COMBI.R-R 33	1	
R67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R68,69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R71-73	D1H833040002	COMBI.R-R 33	3	
R76	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R77-82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	6	
R84-86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R87-89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R90-93	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R104-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R110-15	D1H833040002	COMBI.R-R 33	6	
R116,17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R150	D1H833040002	COMBI.R-R 33	1	
R151-55	EXBV8V102J	COMBI.R-R 1K	5	
R156,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R158,59	D1H833040002	COMBI.R-R 33	2	
R160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R161	D1H833040002	COMBI.R-R 33	1	
R162,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R164,65	EXBV8V101J	COMBI.R-R 100	2	
R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R167	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R168	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R169	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R170-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R173	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R174	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R175,76	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R177	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R178,79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R180	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R181	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R182	VLP0173	COIL	1	J0JGC0000015
R183-86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R200	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R201	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R204	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R205	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R206	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R207,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R209,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R211	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R215	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R250,51	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R252-55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R256	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R258	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R259	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R260	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R261	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R262	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R263	D1H833040002	COMBI.R-R 33	1	
R264	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R265	D1H833040002	COMBI.R-R 33	1	
R267	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R268	D1H833040002	COMBI.R-R 33	1	
R269,70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R271,72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R273,74	D1H833040002	COMBI.R-R 33	2	
R275,76	EXBV8V101J	COMBI.R-R 100	2	
R277-81	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R282,83	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R284	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R285	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R286,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R288,89	D1H833040002	COMBI.R-R 33	2	
R290,91	EXBV8V101J	COMBI.R-R 100	2	
R292	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R293-96	EXBV8V102J	COMBI.R-R 1K	4	
R300	EXBV8V101J	COMBI.R-R 100	1	
R301,02	D1H833040002	COMBI.R-R 33	2	
R303	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R304,05	D1H833040002	COMBI.R-R 33	2	
R306	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R307	EXBV8V101J	COMBI.R-R 100	1	
R308,09	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R310,11	D1H833040002	COMBI.R-R 33	2	
R328-32	D1H833040002	COMBI.R-R 33	5	
R333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R334-37	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R338-41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R354-57	D1H833040002	COMBI.R-R 33	4	
R358	EXBV8V102J	COMBI.R-R 1K	1	
R359-62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R363-65	D1H833040002	COMBI.R-R 33	3	
R366-69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R370	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R372	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R373-75	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R376	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R377,78	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R381	EXBV8V473J	COMBI.R-R 47K	1	
R382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R383	EXBV8V101J	COMBI.R-R 100	1	
R384	EXBV8V473J	COMBI.R-R 47K	1	
R385	EXBV8V102J	COMBI.R-R 1K	1	
R386	EXBV8V473J	COMBI.R-R 47K	1	
R387	EXBV8V102J	COMBI.R-R 1K	1	
R388	EXBV8V473J	COMBI.R-R 47K	1	
R389	EXBV8V102J	COMBI.R-R 1K	1	
R390	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R391,92	D1H833040002	COMBI.R-R 33	2	
R393	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R394	EXBV8V101J	COMBI.R-R 100	1	
R396-00	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R401-04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R405	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R406	EXBV8V102J	COMBI.R-R 1K	1	
R407-11	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R412-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R416-21	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	6	
R422-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R426	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R428,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R452	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R554	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R555,56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R562,63	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R566	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R567	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R569	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R571	VLP0173	COIL	1	J0JGC0000015
R575	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R577-79	D1H833040002	COMBI.R-R 33	3	
R580-89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
R590,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R592-01	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	10	
R603,04	D1H833040002	COMBI.R-R 33	2	
R608	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R611	VLP0173	COIL	1	J0JGC0000015
R612	EXBV8V102J	COMBI.R-R 1K	1	
R613,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R615,16	D1H833040002	COMBI.R-R 33	2	
R617	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R619	D1H833040002	COMBI.R-R 33	1	
R620,21	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R622,23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R624	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R625	D1H833040002	COMBI.R-R 33	1	
R626	EXBV8V102J	COMBI.R-R 1K	1	
R627	D1H833040002	COMBI.R-R 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R628-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R631	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R634,35	D1H833040002	COMBI.R-R 33	2	
R636,37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R640	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R652	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R653	D1H833040002	COMBI.R-R 33	1	
R654	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R655	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R656	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R657	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R658	D1H833040002	COMBI.R-R 33	1	
R659	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R660,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R662	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R663	D1H833040002	COMBI.R-R 33	1	
R664	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R665	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R666	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R667	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R668	D1H833040002	COMBI.R-R 33	1	
R670	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R671	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R672,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R674	EXBV8V102J	COMBI.R-R 1K	1	
R676	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R678,79	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R680	EXBV8V473J	COMBI.R-R 47K	1	
R681,82	D1H833040002	COMBI.R-R 33	2	
R684	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
TG1-G7	EYF6CU	TEST POINT	7	
TP50,51	EYF6CU	TEST POINT	2	
TP250,51	EYF6CU	TEST POINT	2	
TP302	EYF6CU	TEST POINT	1	
TP304	EYF6CU	TEST POINT	1	
TP370,71	EYF6CU	TEST POINT	2	
TP378	EYF6CU	TEST POINT	1	
TP381	EYF6CU	TEST POINT	1	
TP450	EYF6CU	TEST POINT	1	
TP507,08	EYF6CU	TEST POINT	2	
X150	VSX0907	CRYSTAL OSCILLATOR	1	H4G1805A0003
X550	H1A3715B0001	CRYSTAL OSCILLATOR	1	
X551	H1A3705B0001	CRYSTAL OSCILLATOR	1	
X650	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
C1-C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C6-13	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	8	
C30,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C32	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C34	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C35-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C54	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C55,56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C57	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C150,51	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C152-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C155,56	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C157-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C230-47	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	18	
C300-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C304,05	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C306-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C309	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C310	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C311-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C320-22	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	3	
C327	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C329	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C331	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C332-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C341-43	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	3	
C344-46	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C347-51	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C352-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C355	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C356	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C357	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C358	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C359	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C360	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C361	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C362	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C363	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C364,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C430,31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C432,33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C434	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C435-39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C440	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C441	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C442	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C443	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C444	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C445	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C446	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C447	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C449	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C450-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C454	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C455	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C500,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C502,03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C504	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C506,07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C509,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C512	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C513,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C518	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C519	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C520,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C522,23	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C524-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C535	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C600-02	VCK0152	C.CAPACITOR CH 16V 10U	3	F1L1C1060016
C603-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C607	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C608-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C615	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C616	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C617-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C621	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C622	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025
C623	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C625	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C626	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C627	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C628	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C629	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C630-33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C634	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C635	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D430	MA142K	DIODE	1	
D500-03	MA3J14300L	DIODE	4	
D505-07	MA3J14300L	DIODE	3	
D508	LN1271RAL	DIODE	1	
D509	MA3J14300L	DIODE	1	
D600-05	MA3J14300L	DIODE	6	
FL300-02	J0E3005B0002	FILTER	3	
FL430	VLF1354	FILTER	1	
IC30	C1ZBZ0002319	IC	1	
IC31	IDTLVC16245F	IC	1	
IC33	IDTLVC16245F	IC	1	
IC36	C0JBAZ001880	IC	1	
IC37	C0CBABD00005	IC	1	
IC38	DS90CR218MTD	IC	1	C0ZBZ0000468
IC39	DS90LV048AC	IC	1	
IC40,41	C3ABQG000045	IC	2	
IC42	C0JBAZ001880	IC	1	
IC45	C3ABQG000045	IC	1	
IC150	C1ZBZ0002432	IC	1	
IC154	DS90CR217MTD	IC	1	C0ZBZ0000466
IC230	C1ZBZ0002432	IC	1	
IC232,33	C3ABRG000011	IC	2	
IC236	C1AB00001228	IC	1	
IC300,01	C0CBAAD00023	IC	2	
IC302	C1AB00001858	IC	1	
IC303-05	AD8055AR	IC	3	C0ABGB000013
IC306	LT1129CS8	IC	1	
IC307	LT1175CS8	IC	1	
IC308,09	TC7W53FU	IC	2	
IC310	ADV7128KR80	IC	1	
IC311	AD589JR	IC	1	
IC312	LT1129CS8	IC	1	
IC313	AD8184AR	IC	1	
IC430	C0JBAA000175	IC	1	
IC431	ADV7128KR80	IC	1	
IC432	AD589JR	IC	1	
IC433	AD8055AR	IC	1	C0ABGB000013
IC434	NJM2534V	IC	1	
IC500	C2DBML000004	IC	1	
IC501	C0EBE0000213	IC	1	
IC502	C0JBAA000174	IC	1	
IC503	C0JBAZ000851	IC	1	
IC504	C0JBAB000350	IC	1	
IC600	C3FBMD000050	IC	1	
IC601	TA75W558FU	IC	1	C0ABBA000042
IC602	C0JBAZ001713	IC	1	
IC604,05	TC7WH125FU	IC	2	
IC606	C0BBBB000006	IC	1	
IC610	C0CBADD00003	IC	1	
IC611	C1AB00000936	IC	1	
IC613	TC7WH125FU	IC	1	
IC614	C0JBAZ001121	IC	1	
IC617	TC7WH125FU	IC	1	
IC619	C0JBAZ001121	IC	1	
IC621	NJM2068MD	IC	1	C0ABBB000031
IC623	C0CBADD00003	IC	1	
IC628	SN75C1168NS	IC	1	
IC629	XC62DN5002M	IC	1	
ID0	VVVSI4280B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4286D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L5	VLP0183	COIL	5	J0JKC0000007

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L311-14	VLQ0319K1R0	COIL 1.0UH	4	
L430	VLQ0163J180	COIL 18UH	1	G1C180J00001
L431	VLQ0163J120	COIL 12UH	1	G1C120J00001
L500,01	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P150	VJS4064N160E	CONNECTOR (FEMALE)	1	K1KAG0A00006
P500	K1KA10A00303	CONNECTOR (MALE)	1	
P501	VJS3791B020	CONNECTOR (FEMALE)	1	
Q300-02	2SA1532-B	TRANSISTOR	3	
Q303-05	2SD601A-R	TRANSISTOR	3	
Q306-08	XN4501	TRANSISTOR-RESISTOR	3	
Q430	2SA1532-B	TRANSISTOR	1	
Q431	2SD601A-R	TRANSISTOR	1	
Q432	XN4501	TRANSISTOR-RESISTOR	1	
Q433-36	2SA1532-B	TRANSISTOR	4	
Q437	2SD601A-R	TRANSISTOR	1	
QR500-03	UNR521300L	TRANSISTOR	4	
R1	EXBV8V102J	COMBI.R-R 1K	1	
R30-35	D1H833040002	COMBI.R-R 33	6	
R36-46	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	11	
R47,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R49,50	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R52-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R57	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R59,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R62,63	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R64	D1H833040002	COMBI.R-R 33	1	
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66,67	D1H833040002	COMBI.R-R 33	2	
R68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R69-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R73-76	D1H833040002	COMBI.R-R 33	4	
R77	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R78,79	D1H833040002	COMBI.R-R 33	2	
R80,81	EXBV8V102J	COMBI.R-R 1K	2	
R82	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R83,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R85,86	D1H833040002	COMBI.R-R 33	2	
R87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R90-93	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R94	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R95,96	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R99	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R101,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R103,04	D1H833040002	COMBI.R-R 33	2	
R106-09	D1H833040002	COMBI.R-R 33	4	
R110	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R120	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R150-52	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R153	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R154-56	D1H833040002	COMBI.R-R 33	3	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159-63	D1H833040002	COMBI.R-R 33	5	
R164	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R165-69	D1H833040002	COMBI.R-R 33	5	
R170	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R177-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R185,86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R187	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R188	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R190-92	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R193	D1H833040002	COMBI.R-R 33	1	
R230-32	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R233	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R234,35	D1H833040002	COMBI.R-R 33	2	
R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R237,38	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R239,40	D1H833040002	COMBI.R-R 33	2	
R241,42	EXBV8V102J	COMBI.R-R 1K	2	
R243-47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R248,49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R251	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R252	D1H833040002	COMBI.R-R 33	1	
R253-57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R258	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R301-04	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R306,07	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R310,11	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R312	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R313,14	ERJ3RED100	M.RESISTOR CH 1/16W 10	2	
R315-17	ERJ3RBD301	M.RESISTOR CH 1/16W 300	3	
R321-23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R324-26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R327	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R328,29	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R330	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R332	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R333	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R334	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R335-38	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R339-41	ERJ3RBD241	M.RESISTOR CH 1/16W 240	3	
R342-44	ERJ3RED910	M.RESISTOR CH 1/16W 91	3	
R345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R347	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R349	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R351	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R352	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R353	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R354	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R355	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R356	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R357	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R358	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R359	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R360-62	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	3	
R375-77	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R378,79	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R380	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R383	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R384	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R385	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R387	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R430,31	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R432	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R433	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R435	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R436,37	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R438	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R439	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R440	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R441	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R442	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R444	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R445	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R446	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R447	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R448	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R449	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R450	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R451	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R454	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R460	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R461	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R462,63	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R464	ERJ3RED300	M.RESISTOR CH 1/16W 30	1	
R465	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R466	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R469	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R470	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	D0GZ103J0001	M.RESISTOR CH 10K	1	
R501	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R502	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R503	D1H833040002	COMBI.R-R 33	1	
R504	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R505	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R506-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R513	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R515	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R516	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R518	D1H833040002	COMBI.R-R 33	1	
R519-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R524	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R525	D0GZ103J0001	M.RESISTOR CH 10K	1	
R526	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R528	D1H833040002	COMBI.R-R 33	1	
R529	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R530,31	D1H833040002	COMBI.R-R 33	2	
R532	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R533	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R534,35	D1H833040002	COMBI.R-R 33	2	
R537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R538	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R539	D1H833040002	COMBI.R-R 33	1	
R543-47	D1H833040002	COMBI.R-R 33	5	
R548,49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R550	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R551	EXBV8V102J	COMBI.R-R 1K	1	
R552	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R553-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R559,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R561	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R562	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R563	EXBV8V473J	COMBI.R-R 47K	1	
R564	D1H833040002	COMBI.R-R 33	1	
R565	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R566	D1H833040002	COMBI.R-R 33	1	
R567	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R568	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R569	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R571,72	D0GZ103J0001	M.RESISTOR CH 10K	2	
R573	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R600	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R601	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R602	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R603	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R604	EXBV8V473J	COMBI.R-R 47K	1	
R605	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R606	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R607	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609,10	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R611	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R612,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R614	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R615	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R616	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R617	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R618,19	EXBV8V473J	COMBI.R-R 47K	2	
R621	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R622	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R623	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R625	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R626	D1H833040002	COMBI.R-R 33	1	
R627	EXBV8V473J	COMBI.R-R 47K	1	
R628	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R629,30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R632	D1H833040002	COMBI.R-R 33	1	
R633	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R634	EXBV8V473J	COMBI.R-R 47K	1	
R635,36	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R637	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R638	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R639	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R640	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R642	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R643	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R644	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R645	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R646	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R647	D1H833040002	COMBI.R-R 33	1	
R648	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R649	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R652	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R653	EXBV8V473J	COMBI.R-R 47K	1	
R654	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R655	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R656-59	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R660-62	D1H833040002	COMBI.R-R 33	3	
R663,64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
RY1	VSY2176	RELAY	1	K6B2CDA00045
SW1	VSS0367-02B	SWITCH	1	
TG1	EYF6CU	TEST POINT	1	
VR300-07	EVM7JGA00B13	V.RESISTOR 1K	8	
VR430,31	EVM7JGA00B13	V.RESISTOR 1K	2	
X500	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
C1-C4	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C7	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C8-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C101,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C103-06	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C108	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C110-22	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	13	
C123-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C201,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C205-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C211,12	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C213,14	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C311	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C312,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C315-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C319	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C320	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C321	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C324	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C325	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C326-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C351,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C353	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C354	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C355	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C356	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C359	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C361-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C401-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C412,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C415-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C419	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C420	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C423	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C424	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C425	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C426-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C451,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C453	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C454	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C455	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C456	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C459	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C501-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C511	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C512,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C519	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C520	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C523	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C524	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C525	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C527-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C551-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C561	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C562,63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C565-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C569	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C570	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C571	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C572	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C573	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C574	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C575	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C577-80	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C601-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C611	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C612,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C615-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C619	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C620	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C621	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C622	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C623	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C625	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C627-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C701	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C703-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C708-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C711	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C731	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C732	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C733-36	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C738-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C741	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C761	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C762	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C763-66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C768-70	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C771	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C801	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C802	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C803-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C806	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C807-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C819	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C820-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C826	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C827-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C834,35	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C836	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C837,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C902	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C903-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C906	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C907-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C919	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C920-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C926	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C928	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C930,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C935	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C937,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C939,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C941,42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1001	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1003-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1006	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1007-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1019	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1020-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1026	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1028	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1030,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1035	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1037,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1102	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1103-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1106	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1107-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1119	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1120-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1126	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1128	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1130,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1137,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1139,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1201	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1203-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1206	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1207-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1219	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1220-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1226	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1228	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1230,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1235	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1237,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1239,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C1311-13	F1L1A2260013	C.CAPACITOR CH 10V 22U	3	
C1314	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C1315	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1317-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1321	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1323,24	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C1325	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1327-29	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1330	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C1331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D1	MA3J14300L	DIODE	1	
D301	MA3S132E0L	DIODE	1	
D401	MA3S132E0L	DIODE	1	
D501	MA3S132E0L	DIODE	1	
D551	MA3S132E0L	DIODE	1	
D601	MA3S132E0L	DIODE	1	
D1301	MA142K	DIODE	1	
D1302	MA29W-A	DIODE	1	MA2C029WA
IC1	C0JBAA000102	IC	1	
IC2	C0JBAZ000525	IC	1	
IC3	TVHC244FT	IC	1	
IC4,C5	TVHC164FT	IC	2	
IC6	TVHC126FT	IC	1	
IC7	TC74VHC32F	IC	1	C0JBAE000081
IC8	C0JBAB000196	IC	1	
IC9	TVHC00FT	IC	1	
IC101,02	C0JBAS000075	IC	2	
IC103	C0ABEB000023	IC	1	
IC104	M62370GP	IC	1	C0FBBD000082
IC105-07	C0ABFB000012	IC	3	
IC201	TVHC126FT	IC	1	
IC202	DS90LV048AC	IC	1	
IC203	TLCX04F	IC	1	
IC204	C0JBAF000224	IC	1	
IC206	DS90LV047AC	IC	1	
IC301	NJM1496V	IC	1	
IC302	UPC1663GV	IC	1	C0ABAB000078
IC303	C0JBAS000075	IC	1	
IC351	UPC1663GV	IC	1	C0ABAB000078
IC401	NJM1496V	IC	1	
IC402	UPC1663GV	IC	1	C0ABAB000078
IC403	C0JBAS000075	IC	1	
IC451	UPC1663GV	IC	1	C0ABAB000078
IC501	NJM1496V	IC	1	
IC502	UPC1663GV	IC	1	C0ABAB000078
IC551	NJM1496V	IC	1	
IC552	UPC1663GV	IC	1	C0ABAB000078
IC601	NJM1496V	IC	1	
IC602	UPC1663GV	IC	1	C0ABAB000078
IC701	UPC1663GV	IC	1	C0ABAB000078
IC731	UPC1663GV	IC	1	C0ABAB000078
IC761	UPC1663GV	IC	1	C0ABAB000078
IC801	MN673798	IC	1	
IC802	C0ABBB000158	IC	1	
IC803	DS90LV047AC	IC	1	
IC804	C0JBAF000315	IC	1	
IC805,06	C0JBAZ000852	IC	2	
IC901	MN673798	IC	1	
IC902	C0ABBB000158	IC	1	
IC904	C0ABFB000012	IC	1	
IC1001	MN673798	IC	1	
IC1002	C0ABBB000158	IC	1	
IC1003	DS90LV047AC	IC	1	
IC1101	MN673798	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1102	C0ABBB000158	IC	1	
IC1201	MN673798	IC	1	
IC1202	C0ABBB000158	IC	1	
IC1203	DS90LV047AC	IC	1	
IC1301	LT1175CS8	IC	1	
IC1303	LT1086CM	IC	1	C0CBAYG00001
IC1304,05	C0CBADD00003	IC	2	
L301	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L302	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L351	VLQ0163J8R2	COIL 8.2UH	1	
L352	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L353	VLQ0163J1R5	COIL 1.5UH	1	
L354	VLQ077168NM	COIL	1	
L401	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L402	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L451	VLQ0163J8R2	COIL 8.2UH	1	
L452	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L453	VLQ0163J1R5	COIL 1.5UH	1	
L454	VLQ077168NM	COIL	1	
L501	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L502	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L551	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L552	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L601	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L602	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L701	VLQ0163J5R6	COIL 5.6UH	1	
L731	VLQ0163J5R6	COIL 5.6UH	1	
L761	VLQ0163J5R6	COIL 5.6UH	1	
L1301-05	VLP0183	COIL	5	J0JKC0000007
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	VJS3791B020	CONNECTOR (FEMALE)	1	
P4	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q1	2SB1218A0L	TRANSISTOR	1	
Q2	2SD1819A-R	TRANSISTOR	1	
Q3	XP0431200L	TRANSISTOR	1	
Q201,02	2SC3930	TRANSISTOR	2	
Q203,04	2SD601A	TRANSISTOR	2	
Q205,06	2SB1218A0L	TRANSISTOR	2	
Q301	XP6534	TRANSISTOR-RESISTOR	1	
Q302	2SC3930	TRANSISTOR	1	
Q303	XP6501	TRANSISTOR-RESISTOR	1	
Q304,05	2SD1979	TRANSISTOR	2	
Q306,07	2SC3930	TRANSISTOR	2	
Q351	XP6534	TRANSISTOR-RESISTOR	1	
Q401	XP6534	TRANSISTOR-RESISTOR	1	
Q402	2SC3930	TRANSISTOR	1	
Q403	XP6501	TRANSISTOR-RESISTOR	1	
Q404,05	2SD1979	TRANSISTOR	2	
Q406,07	2SC3930	TRANSISTOR	2	
Q451	XP6534	TRANSISTOR-RESISTOR	1	
Q501	XP6534	TRANSISTOR-RESISTOR	1	
Q502	2SC3930	TRANSISTOR	1	
Q503	XP6501	TRANSISTOR-RESISTOR	1	
Q504,05	2SD1979	TRANSISTOR	2	
Q506,07	2SC3930	TRANSISTOR	2	
Q551	XP6534	TRANSISTOR-RESISTOR	1	
Q552	2SC3930	TRANSISTOR	1	
Q553	XP6501	TRANSISTOR-RESISTOR	1	
Q554,55	2SD1979	TRANSISTOR	2	
Q556,57	2SC3930	TRANSISTOR	2	
Q601	XP6534	TRANSISTOR-RESISTOR	1	
Q602	2SC3930	TRANSISTOR	1	
Q603	XP6501	TRANSISTOR-RESISTOR	1	
Q604,05	2SD1979	TRANSISTOR	2	
Q606,07	2SC3930	TRANSISTOR	2	
Q701	2SC3930	TRANSISTOR	1	
Q702	2SA153200L	TRANSISTOR	1	
Q703	2SD1979	TRANSISTOR	1	
Q731	2SC3930	TRANSISTOR	1	
Q732	2SA153200L	TRANSISTOR	1	
Q733	2SD1979	TRANSISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q761	2SC3930	TRANSISTOR	1	
Q762	2SA153200L	TRANSISTOR	1	
Q763	2SD1979	TRANSISTOR	1	
Q801	XP0450100L	TRANSISTOR	1	
Q802	2SD1819A-R	TRANSISTOR	1	
Q803	2SB1218A0L	TRANSISTOR	1	
Q901	XP0450100L	TRANSISTOR	1	
Q1001	XP0450100L	TRANSISTOR	1	
Q1101	XP0450100L	TRANSISTOR	1	
Q1201	XP0450100L	TRANSISTOR	1	
Q1301-03	2SB710A	TRANSISTOR	3	
Q1304-06	2SD602A-R	TRANSISTOR	3	
Q1307	2SD601A	TRANSISTOR	1	
QR351,52	UN5212	TRANSISTOR-RESISTOR	2	
QR1302-04	UNR511100L	TRANSISTOR	3	
QR1305-07	UNR521100L	TRANSISTOR	3	
QR1308-10	UNR511100L	TRANSISTOR	3	
R1-R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4,R5	EXBV8V473J	COMBI.R-R 47K	2	
R6	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7,R8	EXBV8V101J	COMBI.R-R 100	2	
R9	EXBV8V473J	COMBI.R-R 47K	1	
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R11	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R12	EXBV8V473J	COMBI.R-R 47K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R15	EXBV8V473J	COMBI.R-R 47K	1	
R16-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R19,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R22,23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R27-34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R101-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R104,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R106	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108-10	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R112	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R114-26	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	13	
R127,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R129,30	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R131,32	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R133	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R134	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R135	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R136	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R137-39	D0GB123JA002	M.RESISTOR CH 1/16W 12K	3	
R140-42	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R143	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R144	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R145	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R147	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R148-54	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	7	
R155-58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R159,60	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R161,62	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R163,64	D0GB123JA002	M.RESISTOR CH 1/16W 12K	2	
R165	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R166	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R167	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R169-71	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R172	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R173	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R174	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R175-80	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	6	
R181-84	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R202,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R205-07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R208-11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R212,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R214,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R216-18	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R219	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R222-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R225,26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R227,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R229,30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R231,32	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R233,34	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R301,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R303,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R305,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R307	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R311	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R312	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R313	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R314	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R315	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R316	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R317	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R318	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R319,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R321,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R323	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R327	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R328,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R330	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R331	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R333	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R334-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R337	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R351,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R353	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R354	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R355	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R357	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R358	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R359	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R360	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R361	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R362	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R363	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R367	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R370,71	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R405,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R407	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R408	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R409,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R413	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R414	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R415	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R416	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R417	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R418	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R419,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R421,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R423	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R424,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R426	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R427	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R428,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R430	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R433	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R434-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R437	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R451,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R453	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R454	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R456	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R457	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R459	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R460	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R461	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R462	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R464	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R465	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R467	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R470	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R503,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R505,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R507	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R509,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R511	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R512	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R513	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R514	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R515	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R516	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R517	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R518	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R519,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R523	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R527	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R528,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R530	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R533	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R534-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R537	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R551,52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R557	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R558	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R559,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R561	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R562	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R563	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R566	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R567	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R568	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R569,70	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R571,72	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R573	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R574,75	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R576	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R577	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R578,79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R580	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R582	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R583	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R584-86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R587	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R601,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R603,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R605,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R607	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R608	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R609,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R613	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R614	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R615	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R616	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R617	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R618	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R619,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R621,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R623	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R624,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R626	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R627	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R628,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R630	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R632	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R633	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R634-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R701	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R704	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R705	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R707	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R708	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R709	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R710	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R711	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R713	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R731	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R732	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R733	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R734	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R735	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R736	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R737	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R738	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R740	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R741	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R743	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R746	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R747	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R761	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R762	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R763	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R764	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R765	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R766	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R767	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R768	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R769	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R770	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R771	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R772	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R773	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R776	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R777	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R802	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R803	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R805	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R806	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R807	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R811	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R812	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R813	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R818,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R820	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R826	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R827	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R828	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R829	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R832	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R833,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R835	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R836	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R837	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R838	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R839	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R840	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R841	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R842	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R843	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R844	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R845	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R846	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R847	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R848	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R849	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R850	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R851-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R856	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R857	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R858	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R859	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R860	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R861	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R901	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R902	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R903	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R904	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R905	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R906	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R911	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R912	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R920	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R926	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R927	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R928	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R929	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R933,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R935	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R936	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R938	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R950	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R951-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R957	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R959	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R962,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R964	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R965	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1002	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1003	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1004	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1005	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1006	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1007	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1012	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1017	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1018,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R1020	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1026	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1027	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1028	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1029	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1033,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1035	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1036	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1038	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1049	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1050	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1051-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1057	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1059	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1060	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1061	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1102	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1103	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1105	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1106	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1107	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1111	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1112	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1113,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1117	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1120	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1127	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1129	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1133,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1135	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1138	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1150	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1151-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1157	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1159	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1160	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1162,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1164	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1201	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1202	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1203	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1205	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1206	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1207	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1211	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1212	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1213,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1222-24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1226	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1227	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1233,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1238	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1249	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1250	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1251-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1257	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1259	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1260	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1261	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1262,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1264	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1301	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1302	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R1303	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1304-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1307-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	6	
R1319-24	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	6	
R1325-27	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1328-31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R1332,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1334	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
RY1301	VSY2176	RELAY	1	K6B2CDA00045
SW201,02	VJP2536A003	CONNECTOR (MALE)	2	
TG1,G2	VJR0646	TEST POINT	2	D0X0R0000022
TP1-P7	EYF6CU	TEST POINT	7	
TP101-05	EYF6CU	TEST POINT	5	
TP201-05	EYF6CU	TEST POINT	5	
TP302	EYF6CU	TEST POINT	1	
TP304,05	EYF6CU	TEST POINT	2	
TP402	EYF6CU	TEST POINT	1	
TP404,05	EYF6CU	TEST POINT	2	
TP801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	8	
	XYN2+J6	SCREW	2	
	VWZ0212	THERMAL CONDUCTIVE TUBE	5	
	VMP6464	HEAT SINK HOLDER ANGLE A	1	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
	VSC4609	SHIELD CASE	5	
	VJS1990	CONNECTOR (FEMALE)	2	
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3,C4	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C7	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C8,C9	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C10-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C14	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C15,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C17	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C18,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C20	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C21,22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C101,02	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C103,04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C108	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C109	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C110	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C111	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C112	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C113-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C116	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C117	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C171,72	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C173,74	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C176	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C177	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C178	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C179	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C180	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C181	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C182	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C183-90	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C251,52	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C256	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C257	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C258	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C259	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C260	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C261	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C262	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C263-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C266	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C267	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C321,22	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C326	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C327	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C328	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C330	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C332	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C333,34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C339-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C401-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C405-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C409-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C417	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C420	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C431-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C435-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C439-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C447	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C465-68	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C469-75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C477	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C480	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C481	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C482	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C483	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C484	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C501-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C505-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C509-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C517	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C520	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C531-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C535-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C539-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C547	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C561	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C562,63	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C580	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C581	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C582,83	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C601-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C606,07	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C608	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C609,10	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C611-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C616,17	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C618,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C620	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C4002	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4003	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4004	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4005	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4006	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4007	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4008	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4009,10	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4011	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4012	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4013	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4015	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4016,17	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4018	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4019	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4020	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4021	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4022	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4023	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4024	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	F1K2J271A014	C.CAPACITOR CH 10V 270P	1	
C4027	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4028	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4029	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4030,31	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4032	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C4033	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4103,04	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	2	
C4105,06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4107-09	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C4110,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4112	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C4113,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4115	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4116	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4117	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4118	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4119	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C4121	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4122	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4123	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C4124	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4126	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4127	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4128	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4129,30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4131	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4133	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4134	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4136	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4137	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4139	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4140	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4141	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4142	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4201-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C4207,08	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4209,10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4211	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4212	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4213	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4214	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4216	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4217	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4218,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4220	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4301	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4305,06	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C4308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4309,10	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4313	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4314,15	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4316,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4320-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4325-28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4329	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4330	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4334	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4338,39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4343	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C4344,45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4346	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4347	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D101-03	MA152WK	DIODE	3	
D171-73	MA152WK	DIODE	3	
D4001,02	MA142K	DIODE	2	
D4201	MA716	DIODE	1	
D4202	MA157A	DIODE	1	
FL4001	G2A193C00001	COIL	1	
FL4002	VLF1466B223	LINE FILTER	1	
FL4101	VLF1069	FILTER	1	G4ZZ00000278
FL4301-03	VLF1466B223	LINE FILTER	3	
IC1-C3	C0JBAB000541	IC	3	
IC4	TVHC00FT	IC	1	
IC5	C0JBAB000007	IC	1	
IC7-12	TC4S30F	IC	6	C0JBAZ000429
IC101	LT1175CS8	IC	1	
IC251	LT1175CS8	IC	1	
IC401	UPC5102GS030	IC	1	C1ZBZ0001316
IC402	UPC2726T	IC	1	
IC431	UPC5102GS030	IC	1	C1ZBZ0001316
IC432	UPC2726T	IC	1	
IC461	UPC5102GS030	IC	1	C1ZBZ0001316
IC462	UPC2726T	IC	1	
IC501	UPC5102GS030	IC	1	C1ZBZ0001316
IC502	UPC2726T	IC	1	
IC531	UPC5102GS030	IC	1	C1ZBZ0001316
IC532	UPC2726T	IC	1	
IC601,02	C0CBADD00003	IC	2	
IC4001	C0ABBB000124	IC	1	
IC4102	NJM78L09UA	IC	1	C0CBAHC00002
IC4103	C0JBAR000379	IC	1	
IC4104	TA75W558FU	IC	1	C0ABBA000042
IC4105	THC4052FT	IC	1	
IC4106	C1BB00000746	IC	1	
IC4107	C0JBAB000350	IC	1	
IC4108,09	TA75W558FU	IC	2	C0ABBA000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4203	C0DBZGH00001	IC	1	
IC4204	NJM79L05UA	IC	1	C0CBBDC00001
IC4205	TVHC244FT	IC	1	
IC4206	C0CBABC00049	IC	1	
IC4207	C0FBZH000011	IC	1	
IC4209	TA75W558FU	IC	1	C0ABBA000042
IC4302,03	TA75W558FU	IC	2	C0ABBA000042
IC4308	C0JBAR000379	IC	1	
IC4309	TA75W558FU	IC	1	C0ABBA000042
IC4313	TVHT244FT	IC	1	
L101,02	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L171,72	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L251,52	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L321,22	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L401	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L461	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L501	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L560,61	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L580,81	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L601-05	VLP0183	COIL	5	J0JKC0000007
L4001	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L4002	VLQ0423J472	COIL 4700UH	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1	VJP4064L140	CONNECTOR (MALE)	1	K1KBE0B00003
P2	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P3	VJS3900A024	CONNECTOR (FEMALE)	1	
P4	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P4001	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q1	2SA153200L	TRANSISTOR	1	
Q2	XP0431200L	TRANSISTOR	1	
Q3	XP0460100L	TRANSISTOR	1	
Q4,Q5	2SA153200L	TRANSISTOR	2	
Q6	XP0431200L	TRANSISTOR	1	
Q7-Q9	2SA153200L	TRANSISTOR	3	
Q101,02	2SC3935	TRANSISTOR	2	
Q103	XP4506	TRANSISTOR-RESISTOR	1	
Q104	2SC3935	TRANSISTOR	1	
Q106	2SC4536	TRANSISTOR	1	
Q107	2SA153200L	TRANSISTOR	1	
Q108	XP0150400L	TRANSISTOR	1	
Q109	2SK508K512	TRANSISTOR	1	
Q110	2SC4536	TRANSISTOR	1	
Q111	2SA153200L	TRANSISTOR	1	
Q112	XP0150400L	TRANSISTOR	1	
Q113	2SK508K512	TRANSISTOR	1	
Q114	2SC4536	TRANSISTOR	1	
Q116	2SC4536	TRANSISTOR	1	
Q117	2SC3935	TRANSISTOR	1	
Q171,72	2SC3935	TRANSISTOR	2	
Q173	XP4506	TRANSISTOR-RESISTOR	1	
Q174	2SC3935	TRANSISTOR	1	
Q176	2SC4536	TRANSISTOR	1	
Q177	2SA153200L	TRANSISTOR	1	
Q178	XP0150400L	TRANSISTOR	1	
Q179	2SK508K512	TRANSISTOR	1	
Q180	2SC4536	TRANSISTOR	1	
Q181	2SA153200L	TRANSISTOR	1	
Q182	XP0150400L	TRANSISTOR	1	
Q183	2SK508K512	TRANSISTOR	1	
Q184	2SC4536	TRANSISTOR	1	
Q186	2SC4536	TRANSISTOR	1	
Q187	2SC3935	TRANSISTOR	1	
Q251,52	2SC3935	TRANSISTOR	2	
Q254	2SC3935	TRANSISTOR	1	
Q256	2SC4536	TRANSISTOR	1	
Q257	2SA153200L	TRANSISTOR	1	
Q259	2SK508K512	TRANSISTOR	1	
Q260	2SC4536	TRANSISTOR	1	
Q261	2SA153200L	TRANSISTOR	1	
Q263	2SK508K512	TRANSISTOR	1	
Q264	2SC4536	TRANSISTOR	1	
Q266	2SC4536	TRANSISTOR	1	
Q267	2SC3935	TRANSISTOR	1	
Q321,22	2SC3935	TRANSISTOR	2	
Q324	2SC3935	TRANSISTOR	1	
Q326	2SC4536	TRANSISTOR	1	
Q327	2SA153200L	TRANSISTOR	1	
Q329	2SK508K512	TRANSISTOR	1	
Q330	2SC4536	TRANSISTOR	1	
Q331	2SA153200L	TRANSISTOR	1	
Q333	2SK508K512	TRANSISTOR	1	
Q334	2SC4536	TRANSISTOR	1	
Q336	2SC4536	TRANSISTOR	1	
Q337	2SC3935	TRANSISTOR	1	
Q401,02	XP4506	TRANSISTOR-RESISTOR	2	
Q403	XP6534	TRANSISTOR-RESISTOR	1	
Q405	XP6534	TRANSISTOR-RESISTOR	1	
Q431	XP4506	TRANSISTOR-RESISTOR	1	
Q435	XP6534	TRANSISTOR-RESISTOR	1	
Q461,62	XP4506	TRANSISTOR-RESISTOR	2	
Q463	XP6534	TRANSISTOR-RESISTOR	1	
Q464	XP0150400L	TRANSISTOR	1	
Q465	XP6534	TRANSISTOR-RESISTOR	1	
Q501,02	XP4506	TRANSISTOR-RESISTOR	2	
Q503	XP6534	TRANSISTOR-RESISTOR	1	
Q505	XP6534	TRANSISTOR-RESISTOR	1	
Q531	XP4506	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q535	XP6534	TRANSISTOR-RESISTOR	1	
Q560,61	2SC3735	TRANSISTOR	2	
Q580,81	2SC3735	TRANSISTOR	2	
Q601,02	2SB710A	TRANSISTOR	2	
Q4001	2SB779-R	TRANSISTOR	1	
Q4002	2SD1819A-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4004	2SB779-R	TRANSISTOR	1	
Q4005	2SD1819A-R	TRANSISTOR	1	
Q4006	2SD874-R	TRANSISTOR	1	
Q4007	2SD1979	TRANSISTOR	1	
Q4008	2SB792-R	TRANSISTOR	1	
Q4009,10	2SD1149-R	TRANSISTOR	2	
Q4011,12	2SD1979	TRANSISTOR	2	
Q4201	2SD1979	TRANSISTOR	1	
QR601,02	UNR521100L	TRANSISTOR	2	
QR4001,02	UNR511300L	TRANSISTOR	2	
QR4003	UNR521300L	TRANSISTOR	1	
QR4004	UNR511300L	TRANSISTOR	1	
QR4005,06	UNR521300L	TRANSISTOR	2	
QR4007	UNR511300L	TRANSISTOR	1	
QR4201	UNR521300L	TRANSISTOR	1	
QR4202	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	EXBV8V473J	COMBI.R-R 47K	1	
R3,R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	EXBV8V473J	COMBI.R-R 47K	1	
R7-42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	36	D0GB103JA002
R101,02	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R103	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R104	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R105,06	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R107-09	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R110,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R112,13	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R114-17	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R118,19	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R121	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R124	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R126	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R127	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R128	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R129	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R130	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R131	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R132	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R133	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R135	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R136	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R137	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R138	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R141	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R142	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R143	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R145	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R146	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R149,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R171,72	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R173	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R174	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R175,76	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R177-79	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R180,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R182,83	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R184-87	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R188,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R191	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R192	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R194	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R195	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R196	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R197	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R198	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R199	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R200	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R201	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R203	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R204	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R205	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R206	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R207	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R208	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R210	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R211	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R212	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R213	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R215	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R255,56	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R257,58	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R260,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R262,63	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R268,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R270,71	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R272	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R273	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R274	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R275	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R276	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R277	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R279	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R280	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R281	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R282	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R283	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R284	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R285	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R287	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R288	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R289	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R290	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R291	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R292	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R293,94	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R295	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R296	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R299,00	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R323	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R325,26	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R327,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R330,31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R332,33	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R338,39	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R340,41	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R342	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R343	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R344	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R345	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R346	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R347	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R349	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R350	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R351	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R353	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R354	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R355	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R357	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R358	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R359	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R361	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R362	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R363,64	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R365	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R369,70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R408,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R410,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R412,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R414	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R417,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R419,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R421,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R423,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R425,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R431,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R433-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R437	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R438,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R440,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R442,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R444	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R447,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R449,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R451,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R453,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R455,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461,62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R463-66	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468,69	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R470,71	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R472,73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R474	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R477,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R479,80	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R481,82	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R483,84	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R485,86	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R487	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R488,89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R490,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R501,02	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R503-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R510,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R512,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R517,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R519,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R521,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R523,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R525,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R527	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R528,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R531,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R533-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R538,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R540,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R542,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R544	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R547,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R549,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R551,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R560	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R561	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R562	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R563	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R580	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R581	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R582	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R583	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R584	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R585	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R601,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R605,06	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4004	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4006	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4007	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4008	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4009	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4011	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4012	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4013	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4014	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4015	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4016	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4017	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4024	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4025	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4026	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4027	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4028	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4029	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4030	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4031	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4032	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R4033	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4034	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4035	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4036	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4037,38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4039	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4040	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4041	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4042,43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4044	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4045	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4048	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4049	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4101,02	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R4103	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4105	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R4109	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4111	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4113	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4116	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4117	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4119,20	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4121	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4122-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4125	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4126	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4128	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4129	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4130	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4131	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4132	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4135	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4136	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4137	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4138	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4140	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4201	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4202	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4203	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4208	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4209	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4210	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4211	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4212	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4213	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4306	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4307	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4309	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4310	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4312	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4315	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4316	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4319,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4322	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4324	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4330	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4332	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4335	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4340	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4344	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4346	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
T4001,02	VLT0729	TRANSFORMER	2	G4ZZ00000358
TG1	VJR0646	TEST POINT	1	D0X0R0000022
TG4005	EYF6CU	TEST POINT	1	
TG4101	EYF6CU	TEST POINT	1	
TG4203	EYF6CU	TEST POINT	1	
TP1,P2	EYF6CU	TEST POINT	2	
TP4001-04	EYF6CU	TEST POINT	4	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201,02	EYF6CU	TEST POINT	2	
VR4001	VRV0161B503	V.RESISTOR 50K	1	
VR4002	VRV0161B103	V.RESISTOR 10K	1	
VR4103	VRV0161B503	V.RESISTOR 50K	1	
VR4301,02	VRV0161B502	V.RESISTOR 5K	2	
VR4305,06	VRV0161B103	V.RESISTOR 10K	2	
		MISCELLANEOUS		

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP7961	RF PB MOUNT ANGLE	2	
	VSC5040	HEAD BUFF SHIELD (UPPER)	1	
	VSC5041	HEAD BUFF SHIELD (MIDDLE)	1	
	VSC5042	P.C.BOARD SHIELD (LOWER)	1	
	XTV3+6FFR	SCREW	2	
	XYN2+J6	SCREW	2	
	VSC5583	EARTH HOLDER ANGLE	1	
	XSN26+3	SCREW	1	
	VMZ3026	SHIELD PROTECT SHEET	1	
	VEE9862	EARTH CABLE	1	
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
C4002-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4006,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4051-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C4101-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4106	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4107-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4112	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4113	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4151	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4152	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4153	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4154	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4155	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4156	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4157-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4160,61	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4164-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4170,71	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4172-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4178-86	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4187	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4188-90	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4191	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4193-95	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4196,97	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4198,99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4201-04	ECQV1H105JL	P.CAPACITOR 50V 1U	4	
C4213,14	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4215-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4219,20	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4221-24	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4225,26	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4227,28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4229-32	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	4	
C4233-42	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4243,44	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4245-48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4249	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4250-53	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4254,55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4256	F2H0J4700003	E.CAPACITOR 6.3V 47U	1	
C4265-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4269-72	ECHU1C472JB	P.CAPACITOR 16V 4700P	4	
C4273-80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4281-84	EEVHP0J100	E.CAPACITOR 6.3V 10U	4	
C4401-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4405-08	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4409-12	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4414,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4417,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4420,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4423,24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4425-28	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	4	
C4429-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4433,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4435	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4437	EEVHB1C220	E.CAPACITOR 16V 22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4439	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4440	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4441	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4442	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4443,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4445,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4447,48	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4449-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4453-56	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4457	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4458-65	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4466-69	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4601	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4602,03	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4608,09	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4613-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4617,18	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4619,20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4621,22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4623	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4624,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4626,27	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4628	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4630,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4632	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4633,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4635,36	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4637	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4801,02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4803,04	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4805,06	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4807,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4809,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4811,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4813,14	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4815,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4817	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4818,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4820	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4821	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4823	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4825	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4827,28	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4829-32	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4833-36	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4837,38	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C4839,40	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4841,42	D4ED1220A006	VARISTOR	2	
D4201-03	MA716	DIODE	3	
D4601	MA716	DIODE	1	
D4602	MA147	DIODE	1	
D4603	MA716	DIODE	1	
D4604-06	MA142WK	DIODE	3	
D4607	MA716	DIODE	1	
D4608,09	MA142WA	DIODE	2	
FL4101	VLF1466B223	LINE FILTER	1	
IC4003	TVHC244FT	IC	1	
IC4004	C1ZBZ0001555	IC	1	
IC4006	C0EBE0000236	IC	1	
IC4007	C1ZBZ0002372	IC	1	
IC4008	TVHT244FT	IC	1	
IC4057-59	TVHT244FT	IC	3	
IC4060,61	TVHC244FT	IC	2	
IC4105,06	SN74S1051NS	IC	2	
IC4109-11	C0JBAZ000852	IC	3	
IC4112	TLCX245FT	IC	1	
IC4114-16	TVHT244FT	IC	3	
IC4151,52	C0JBAB000422	IC	2	
IC4155	TVHT244FT	IC	1	
IC4156	C0CBADD00003	IC	1	
IC4158	TLCX245FT	IC	1	
IC4160	MC74HC4046AF	IC	1	C0JBAZ000153

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4163	C5AB00000006	IC	1	
IC4164	C0ABHA000020	IC	1	
IC4166	TLCX245FT	IC	1	
IC4167	TVHC244FT	IC	1	
IC4169,70	C5AB00000006	IC	2	
IC4171	C3ABQG000045	IC	1	
IC4172	C5AB00000006	IC	1	
IC4173	TVHC244FT	IC	1	
IC4174,75	C0ZBZ0000830	IC	2	
IC4205-08	TA75W558FU	IC	4	C0ABBA000042
IC4209	XC62AP5002M	IC	1	C0CBADD00005
IC4210	XC62DN5002M	IC	1	
IC4211-14	THC4052FT	IC	4	
IC4219	XC62AP5002M	IC	1	C0CBADD00005
IC4220	XC62DN5002M	IC	1	
IC4221-24	C0FBBG000033	IC	4	
IC4225-28	TA75W558FU	IC	4	C0ABBA000042
IC4229-32	THC4052FT	IC	4	
IC4233	XC62AP5002M	IC	1	C0CBADD00005
IC4242-45	TA75W558FU	IC	4	C0ABBA000042
IC4401-04	C0ABBB000184	IC	4	
IC4409,10	C0FBZK000006	IC	2	
IC4411	C0CBABE00013	IC	1	
IC4412-15	C0ABBB000184	IC	4	
IC4420-23	THC4052FT	IC	4	
IC4601,02	C0JBAR000379	IC	2	
IC4603	TA75W558FU	IC	1	C0ABBA000042
IC4606,07	TC4W53FU	IC	2	
IC4613	TA75W558FU	IC	1	C0ABBA000042
IC4615	TA75W558FU	IC	1	C0ABBA000042
IC4617	TA75W558FU	IC	1	C0ABBA000042
IC4618	THC4052FT	IC	1	
IC4620	THC4052FT	IC	1	
IC4622	TA75W558FU	IC	1	C0ABBA000042
IC4624	THC4052FT	IC	1	
IC4626	THC4052FT	IC	1	
IC4632,33	C0JBAR000379	IC	2	
IC4636	XC62AP5002M	IC	1	C0CBADD00005
IC4637	XC62DN5002M	IC	1	
IC4639	TA75W558FU	IC	1	C0ABBA000042
IC4640	XC62AP5002M	IC	1	C0CBADD00005
IC4641	XC62DN5002M	IC	1	
IC4642	TA75W558FU	IC	1	C0ABBA000042
IC4644	XC62AP5002M	IC	1	C0CBADD00005
IC4645	XC62DN5002M	IC	1	
IC4646	THC4052FT	IC	1	
IC4801	TA75W558FU	IC	1	C0ABBA000042
IC4805	C1BB00000360	IC	1	
IC4806,07	NJM4556AM	IC	2	C0ABBB000042
ID0	VVVSI4283A	SOFTWARE	1	DOWNLOAD ONLY
L4151,52	VLF1151A132	COIL	2	
P4001	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P4002	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4201-04	2SD1979	TRANSISTOR	4	
Q4601-04	2SB1219A-R	TRANSISTOR	4	
Q4801	2SD602A-R	TRANSISTOR	1	
Q4802	2SB710A-RS	TRANSISTOR	1	
Q4803,04	2SD1979	TRANSISTOR	2	
Q4805,06	2SD1328	TRANSISTOR	2	
QR4201-04	UNR521300L	TRANSISTOR	4	
QR4205-08	UNR511300L	TRANSISTOR	4	
QR4601,02	UNR521300L	TRANSISTOR	2	
R4003	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4005-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4012	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4013	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4016	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4021	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
R4026	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4032	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4051	EXBV8V102J	COMBI.R-R 1K	1	
R4052	D1H833040002	COMBI.R-R 33	1	
R4053	EXBV8V102J	COMBI.R-R 1K	1	
R4054,55	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4056	D1H833040002	COMBI.R-R 33	1	
R4057-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R4062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4063	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4064	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R4065	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4066	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4067-73	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R4101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R4104,05	D1H847240002	COMBI.R-R 4.7K	2	
R4112-14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4151	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4152	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4159	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4162	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4163,64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4166	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4169,70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4172	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4173,74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4175	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4176	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4178	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4179-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4201-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4205-08	ERJ3GEYJ114	M.RESISTOR CH 1/16W 110K	4	
R4209-12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4213-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4217-20	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4221	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4223	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4224	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4225	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4226	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4228	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4229	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4230	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4231	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4232	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4233	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4234	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4235	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4236	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4237	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4238	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4239	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4240	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4241	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4242	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4243	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4244	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4245	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4246	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4247	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4248	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4249-52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	4	
R4253	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4255	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4257	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4258	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4259	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4260	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4261	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4262	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4263	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4264	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4265	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4266	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4267	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4268	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4269	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4270	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4271	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4272	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4273	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4274	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4275	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4276	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4277	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4278	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4279	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4280	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4281-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4285-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4289,90	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4291-94	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R4295-98	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	4	
R4299-02	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	4	
R4303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4307	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4308	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4309	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4311	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4313	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4314	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4315	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4316	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4318	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4319-22	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4323-26	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4327-30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4331-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4335-38	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R4401-12	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4413-16	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4417-24	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4425-32	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4433,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4435,36	D1H84704A008	COMBI.R-R 47	2	
R4437,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4439,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4441,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4444	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4445	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4446-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4450	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4452	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4453	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4458-69	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4470-77	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4478-86	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4487	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4488	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4489	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4490	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4491	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4492	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4493	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4494	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4495	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4496	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4497	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4498	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4499	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4500	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4501	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4502	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4503	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4504	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4505	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4506	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4507	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4508	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4509	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4510	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4511	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4512	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4513	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4601	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4602-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R4612	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4613	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4617,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4619	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4620-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4624	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4626	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4628,29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4636	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4637	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4638	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4639	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4640	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4641	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4642	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4643	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4646,47	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	2	
R4648	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4649	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4650	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4651	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4652	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4653	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4654	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4655	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4656	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4657	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4658	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4659	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4660	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4661	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4662,63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4667	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4668	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4669	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4670	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4671	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4672	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4675-78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4679,80	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4681-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4685,86	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4687	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4688,89	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R4690	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4692	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4694	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4695	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4696	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4697	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4698,99	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4700	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4701	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4704	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4708,09	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4710	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4712-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4803,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4805,06	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4807,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4809	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4811-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4814	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4815	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R4818,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4823	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4825,26	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R4829,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4831,32	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R4833,34	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4835,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4837,38	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R4839,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4841	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4842	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4843	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4844	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4845,46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4847,48	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4849	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4851	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4852	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4853-58	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
TG4155-57	EYF6CU	TEST POINT	3	
TG4201	EYF6CU	TEST POINT	1	
TG4401,02	EYF6CU	TEST POINT	2	
TG4601	EYF6CU	TEST POINT	1	
TP4001-04	EYF6CU	TEST POINT	4	
TP4055,56	EYF6CU	TEST POINT	2	
TP4151-53	EYF6CU	TEST POINT	3	
TP4602-07	EYF6CU	TEST POINT	6	
VR4201-04	VRV0161B103	V.RESISTOR 10K	4	
VR4401-04	VRV0161B502	V.RESISTOR 5K	4	
X4151	VSX0519	CRYSTAL OSCILLATOR	1	H0D160500011
X4152	H4G2455B0005	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4001	ECA1CHG221	E.CAPACITOR 16V 220U	1	
C4101,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4103,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4105,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4107,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4109,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4111-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4119,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4121,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4123-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4201,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4203,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4205,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4207,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4209,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4211-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4219,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4221,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4223-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4300-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4304,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4306-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4310,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4312-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4316-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4320-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4326-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4330,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
C4400-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4404,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4406-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4410,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4412-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4416-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4420-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4426-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4430,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
D4300,01	MA152WA	DIODE	2	
D4302,03	MA152WK	DIODE	2	
D4304	MA716	DIODE	1	
D4400,01	MA152WA	DIODE	2	
D4402,03	MA152WK	DIODE	2	
D4404	MA716	DIODE	1	
IC4101	TA75W558FU	IC	1	C0ABBA000042
IC4102	NJM4556AM	IC	1	C0ABBB000042
IC4103	TA75W558FU	IC	1	C0ABBA000042
IC4104	NJM4556AM	IC	1	C0ABBB000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4202	NJM4556AM	IC	1	C0ABBB000042
IC4203	TA75W558FU	IC	1	C0ABBA000042
IC4204	NJM4556AM	IC	1	C0ABBB000042
IC4300,01	AQV212SX	IC	2	K6G1AKB00012
IC4302,03	K6G4AKB00004	IC	2	
IC4304	XC62AP5002M	IC	1	C0CBADD00005
IC4305,06	NJM2122M	IC	2	
IC4307,08	TA75W558FU	IC	2	C0ABBA000042
IC4309	XC62DN5002M	IC	1	
IC4400,01	AQV212SX	IC	2	K6G1AKB00012
IC4402,03	K6G4AKB00004	IC	2	
IC4404	XC62AP5002M	IC	1	C0CBADD00005
IC4405,06	NJM2122M	IC	2	
IC4407,08	TA75W558FU	IC	2	C0ABBA000042
IC4409	XC62DN5002M	IC	1	
P4101	VJS3421A020	CONNECTOR (FEMALE)	1	K1MN20A00027
P4102	VJP3600F030K	CONNECTOR (MALE)	1	
P4103	K1KA03A00017	CONNECTOR (MALE)	1	
P4301	VJP3600F030K	CONNECTOR (MALE)	1	
P4303	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
Q4101	2SD602A-R	TRANSISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4102	2SB710A-RS	TRANSISTOR	1	
Q4103-06	2SD1328	TRANSISTOR	4	
Q4201	2SD602A-R	TRANSISTOR	1	
Q4202	2SB710A-RS	TRANSISTOR	1	
Q4203-06	2SD1328	TRANSISTOR	4	
QR4300-09	UNR521300L	TRANSISTOR	10	
QR4400-09	UNR521300L	TRANSISTOR	10	
R4001-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R4031	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4101,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4105,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4107,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4109,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4111-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4119-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4123,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4125-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4131-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4135-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4141-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4145,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4201,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4205,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4207,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4209,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4211-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4219-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4223,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4225-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4231-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4235-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4241-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4303	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4304,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4306,07	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4308	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4310	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4312,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4314-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4322-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	
R4326	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4328	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4330,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4332-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4336	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4337	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4338	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4339	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4340,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4342-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4346-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4350-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4356,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4358,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4362,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4364,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4366-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
R4401	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4403	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4404,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4406	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4407	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4408	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4409	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4412,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4414-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4422-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4426	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4428	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4429	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4430,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4432-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4436	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4437	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4438	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4439	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4440,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4442-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4446-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4450-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4456,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4458,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4462,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4464,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4466-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
VR4101,02	EVM7JGA00B52	V.RESISTOR 500	2	
VR4201,02	EVM7JGA00B52	V.RESISTOR 500	2	
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
C4	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C9	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C13	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C18,19	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C21,22	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C23	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302-04	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C305-09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C310-12	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C313	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C314	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C315-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C400	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C401	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C403	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C404	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C405-07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C502,03	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	2	
C504,05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C506,07	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C508,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C510,11	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C512,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C514,15	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C518,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C520	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C521	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C522	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C523	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C524	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C525	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C526	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C527	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C528,29	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C530,31	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C532,33	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C534,35	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C536,37	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C538,39	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C540,41	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C542,43	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C544,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C546,47	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C600,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C602	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C603,04	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C606	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C607	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C608	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C609	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C610	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C611	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C612	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C613	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C614	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C615	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C616	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C703	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C704	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C705,06	EEVHB1C220	E.CAPACITOR 16V 22U	2	
D1	MA147	DIODE	1	
D300	MA2Q73800L	DIODE	1	
D301	MA8075-M	DIODE	1	
D400	MA142K	DIODE	1	
D401-03	MA2Q73800L	DIODE	3	
D500-11	MA2Q73800L	DIODE	12	
D512,13	MA147	DIODE	2	
D700,01	MA147	DIODE	2	
IC2	C0ABBB000179	IC	1	
IC3	0P177GS	IC	1	
IC4	C0ABBB000179	IC	1	
IC5	0P177GS	IC	1	
IC6	C0ABBB000179	IC	1	
IC7	C0ABBB000184	IC	1	
IC8	C0ABBB000179	IC	1	
IC14	C0JBAZ000994	IC	1	
IC15	UPC4741G2	IC	1	
IC18	C0ABBB000184	IC	1	
IC19	C0BBBA000044	IC	1	
IC300	C0ABBA000075	IC	1	
IC301	BA6238A	IC	1	C0GAK0000007
IC302-04	C0JBAZ000608	IC	3	
IC305	BA6238A	IC	1	C0GAK0000007
IC306,07	C0JBAQ000080	IC	2	
IC400	C0JBAM000052	IC	1	
IC401	C0BBBA000044	IC	1	
IC500	C0BBBA000044	IC	1	
IC501,02	AN3834S	IC	2	
IC503	C0ABBB000179	IC	1	
IC703	C0JBAZ000994	IC	1	
IC2254	TC4538BF	IC	1	
J400-03	K4CD01000007	CABLE TERMINAL	4	
L300-04	VLF1151A132	COIL	5	
P300	K1KAA0A00120	CONNECTOR (MALE)	1	
P400	VJS3801D015	CONNECTOR (FEMALE)	1	
P401,02	VJP3172D005	CONNECTOR (MALE)	2	K1KA05B00053
P403	K1KA02B00075	CONNECTOR (MALE)	1	
P404	K1KA03B00102	CONNECTOR (MALE)	1	
P405,06	K1KA02B00075	CONNECTOR (MALE)	2	
P407	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P408	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P409	K1KA03B00102	CONNECTOR (MALE)	1	
P410	K1KA02B00075	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P411	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P412	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P413	K1KA06A00031	CONNECTOR (MALE)	1	
P414	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P415,16	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P417,18	VJP3172D004	CONNECTOR (MALE)	2	K1KA04B00007
P419	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P420	VJS3422B015	CONNECTOR (FEMALE)	1	
P421	VJS3422B019	CONNECTOR (FEMALE)	1	
P422,23	VJP3172D002	CONNECTOR (MALE)	2	K1KA02B00051
Q1	2SB1218A-R	TRANSISTOR	1	
Q100-07	B1DZED000002	TRANSISTOR	8	
Q300	2SD601A	TRANSISTOR	1	
Q301	2SB936A-Q	TRANSISTOR	1	
Q400,01	2SB766	TRANSISTOR	2	
Q500-05	2SD1624-S	TRANSISTOR	6	
Q700	2SD601A	TRANSISTOR	1	
Q701,02	2SB0709A0L	TRANSISTOR	2	
Q703	2SD601A	TRANSISTOR	1	
Q704	2SB0709A0L	TRANSISTOR	1	
Q705	2SD601A	TRANSISTOR	1	
QR100-11	UNR521300L	TRANSISTOR	12	
QR400,01	UNR521400L	TRANSISTOR-RESISTOR	2	
QR500-03	UN5215	TRANSISTOR-RESISTOR	4	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UNR511300L	TRANSISTOR	1	
QR702	UN5215	TRANSISTOR-RESISTOR	1	
QR703	UNR511500L	TRANSISTOR	1	
R3,R4	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R7	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R10	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R11,12	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R13	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R15	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R16	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R18	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R19	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R20	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R21	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R22	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R24	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R25	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R26	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R27	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R28	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R30	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R31	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R32	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R33	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R100-03	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R104-06	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R107,08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R109	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R110,11	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R112-15	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R300	EXBV8V473J	COMBI.R-R 47K	1	
R301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R302	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R303	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R304	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R305	EXBV8V473J	COMBI.R-R 47K	1	
R306	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R307,08	EXBV8V473J	COMBI.R-R 47K	2	
R309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R310-12	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	3	
R313	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R314	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R315-17	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R318-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R351	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R400	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R401	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R402	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R405	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R406	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R407	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R409	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R410	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R411	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R413	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R414-17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R418	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R421,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R504	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R505	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R506,07	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R508	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R510	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R511	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R512	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R513,14	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R515-18	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	4	
R519-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	4	
R523,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R525-28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R529	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R530	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R531	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R532-34	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	3	
R535-38	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R539,40	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R600	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R601	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R602	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R603,04	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R606,07	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R610	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R611	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R612	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R613	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R614,15	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R616	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R618	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R619	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R620	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R621	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R622	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R623	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R624	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R700-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R704,05	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R706	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R707	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R708,09	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R710	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
VR1	EVM7JGA00B24	V.RESISTOR 20K	1	
VR2	EVM7JGA00B54	V.RESISTOR 50K	1	
VR400,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E10	VEP81203D	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203D
⚠ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1002,03	F1BAH1020010	C.CAPACITOR 1000P	2	
⚠ C1004	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1005	VCK0262M222A	C.CAPACITOR 2200P	1	F1BAH2220002
C1006	EEUFC1H101	E.CAPACITOR 50V 100U	1	
C1007	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1010	VCK0106K221	C.CAPACITOR 220P	1	
C1013	ECEC2WB151DB	E.CAPACITOR 450V 150U	1	
C1014	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1015	ECQE2W105KC	P.CAPACITOR 450V 1U	1	
⚠ C1016	ECQU2A154ML	P.CAPACITOR 100V 0.15U	1	
C1017	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1102	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	
C1103	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1106	ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1107	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1108	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1110	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1111-13	EEUFC1E182	E.CAPACITOR 25V 1800U	3	
C1114,15	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	2	
C1118	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1901	ECA1HXL100	E.CAPACITOR 50V 10U	1	FOR VEP81233A
C1902	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1903	ECJ2VC1H221J	C.CAPACITOR CH 50V 220P	1	FOR VEP81233A
C1904	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	FOR VEP81233A
C1905	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1906	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1908	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1909	ECA1HXL010	E.CAPACITOR 50V 1U	1	FOR VEP81233A
C1910	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025 FOR VEP81233A
C1912	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	FOR VEP81233A
C1913	ECUX1H682KBN	C.CAPACITOR CH 50V 6800P	1	FOR VEP81233A
C1914	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1915	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	FOR VEP81233A
C1916	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1917	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1921,22	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	F1J1H103A010 FOR VEP81233A
C1923	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1924	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	FOR VEP81233A
D1001	SFPL-52	DIODE	1	
D1002	RBV606	DIODE	1	
D1003,04	SFPL-52	DIODE	2	
D1005	FML-G26S	DIODE	1	
D1006-09	MA3100-M	DIODE	4	
D1101	MA3270-M	DIODE	1	
D1103	SFPL-52	DIODE	1	
D1104	AP01C	DIODE	1	B0HADV000010
D1105	SFPL-52	DIODE	1	
D1106	D20LC20U	DIODE	1	B0HBSM000021
D1107	U1GU44	DIODE	1	
D1108	SFPL-52	DIODE	1	
D1109	MA3200-M	DIODE	1	
D1110,11	MA152K	DIODE	2	
D1112	MA3068-M	DIODE	1	
D1901,02	MA3200-M	DIODE	2	FOR VEP81233A
D1903	MA3100-M	DIODE	1	FOR VEP81233A
D1904	MA152K	DIODE	1	FOR VEP81233A
D1905	MA152WA	DIODE	1	FOR VEP81233A
D1906	MA3270-M	DIODE	1	FOR VEP81233A
D1907	MA3051-M	DIODE	1	MAZ30510ML FOR VEP81233A
D1908	MA3068-M	DIODE	1	FOR VEP81233A
D1911	MA3068-M	DIODE	1	FOR VEP81233A
D1914	MA152K	DIODE	1	FOR VEP81233A
⚠ F1001	VSF0246	FUSE	1	
IC1101	AN1431M	IC	1	
IC1901	M51951BL	IC	1	C0EAH0000030 FOR VEP81233A
IC1902	MC33262P	IC	1	C0DAZZZ00013 FOR VEP81233A
IC1903	FA5311BP	IC	1	C0DAAZZ00002 FOR VEP81233A

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J1002	VWJ0121	CABLE	1	
J1004	VWJ0121	CABLE	1	
J1101,02	VWJ0121	CABLE	2	
L1002	VLQ0861	COIL	1	
⚠ L1003,04	ELF20N015A	COIL	2	
L1007	VLP0083	COIL	1	J0JKB0000011
L1101,02	VLP0083	COIL	2	J0JKB0000011
L1106-08	VLP0336	FERRITE CORE	3	
P1001	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
P1002,03	VJP3878	CONNECTOR (MALE)	2	K1KA02B00137
P1004,05	VJP3042G003W	CONNECTOR (MALE)	2	K1KA03A00157
P1006	VJP3042G017W	CONNECTOR (MALE)	1	K1KA17A00011
P1007	VJP1149	CONNECTOR (MALE)	1	K1KA03B00084
P1101	K1KA06A00262	CONNECTOR	1	
P1901,02	VJS3042B003W	CONNECTOR (FEMALE)	2	K1KB03B00007 FOR VEP81233A
P1903	VJS3042B017W	CONNECTOR (FEMALE) 17P	1	K1KB17B00005 FOR VEP81233A
⚠ PC1101,02	B3QAZ0000030	PHOTO COUPLER	2	
Q1001	AC08FGM	DIODE	1	B2BAJR000001
⚠ Q1002	2SK1941-01R	TRANSISTOR	1	B1DEGR000002
⚠ Q1101	2SK2677-4112	TRANSISTOR	1	B1BAGU000002
Q1102	2SD601A-R	TRANSISTOR	1	
Q1103	2SB0709ALL	TRANSISTOR	1	
Q1901	XN1501	TRANSISTOR-RESISTOR	1	FOR VEP81233A
Q1903	2SJ278	TRANSISTOR	1	FOR VEP81233A
QR1901	UN2111	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1902	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1904	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1905	UN2113	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1906	UNR211200L	TRANSISTOR	1	FOR VEP81233A
QR1907	UNR221300L	TRANSISTOR	1	FOR VEP81233A
⚠ R1001	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
R1002-05	ERJ12YJ473	M.RESISTOR CH 1/2W 47K	4	
R1006	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
⚠ R1007	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1009	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1010,11	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	2	
R1012	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1013	ERX2SJR22	M.RESISTOR 2W 0.22	1	
R1014	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1017	ERG2SJ220	M.RESISTOR 2W 22	1	
R1018	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1019	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	1	
R1020	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1021	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1023	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
R1024	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1025	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1026	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1101	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1102	ERX2SJR33	M.RESISTOR 2W 0.33	1	
R1104	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1105	ERJ12YJ680	M.RESISTOR CH 1/2W 68	1	
R1108	ERG2SJ104	M.RESISTOR 2W 100K	1	
R1109	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1110	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1111	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1112	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1114	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1115,16	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1117	ERJ6RBD622	M.RESISTOR CH 1/10W 6.2K	1	
R1118	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R1119,20	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1121	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1122	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1123	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1124	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1125	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1127	ERG2SJ104	M.RESISTOR 2W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1901,02	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	FOR VEP81233A
R1903	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1904	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	FOR VEP81233A
R1905-07	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	FOR VEP81233A
R1908	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	FOR VEP81233A
R1909	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1910	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	FOR VEP81233A
R1911	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	FOR VEP81233A
R1912,13	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	FOR VEP81233A
R1915	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1916	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	FOR VEP81233A
R1917	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	FOR VEP81233A
R1919	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1920,21	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	2	FOR VEP81233A
R1923	ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	D0GD225JA003 FOR VEP81233A
R1925	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	FOR VEP81233A
R1926-28	ERJ6RBD1503	M.RESISTOR 150K	3	FOR VEP81233A
R1930	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003 FOR VEP81233A
R1931-33	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1934	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	FOR VEP81233A
R1935	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	FOR VEP81233A
R1936	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1938	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003 FOR VEP81233A
R1944-46	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1949,50	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	FOR VEP81233A
R1951	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP81233A
R1953	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	FOR VEP81233A
⚠ T1101	G4D2C0000005	TRANSFORMER	1	
⚠ TH1101	VRT0142	THERMISTOR	1	D4DDB3310005
TP1101	VJR0646	TEST POINT	1	D0X0R0000022
		MISCELLANEOUS		
⚠	VWZ0074	INSULATION COVER	1	
⚠	VMZ2187	INSULATION COVER	1	
⚠	VMZ1608	CAPACITOR TUBE	1	
	VMP5282	TRANSISTOR CLIP	1	
	VSC4861	HEAT SINK (C)	1	
	VSC4860	HEAT SINK (B)	1	
⚠	VMZ0965	CAPACITOR COVER	2	
	VSC3434	SHIELD CASE	1	
	XYN3+F8	SCREW	4	
	XTV3+8G	SCREW	1	
	VMP5283	EARTH LUG	2	
	XYN3+F6	SCREW	2	
	VMZ2908	HEAT SINK	2	
	VMZ2969	HEAT SINK	1	
	XYN3+J8	SCREW	4	
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
C1201-03	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C1204	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1206	ECA1HXS100	E.CAPACITOR 50V 10U	1	
C1207	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	
C1208,09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1211	VCEA1DSP680	E.CAPACITOR 20V 68U	1	
C1212	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1213	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1214,15	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1301	ECA1HHGR33	E.CAPACITOR 50V 0.33U	1	
C1302	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1303,04	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1305	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1306	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1307	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1308	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1309	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1310	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1311	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1312	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1313	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1314	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1316,17	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
C1318,19	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1325	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1326,27	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1328,29	VCEA1DSP680	E.CAPACITOR 20V 68U	2	
C1330-33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C1335	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1336	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1337	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C1338	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1339	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1340	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1341	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1342	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1344	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1345	F2D1D1010001	E.CAPACITOR 20V 100U	1	
C1346	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1347,48	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1352,53	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1354	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1401	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C1402	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1403	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C1404	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1405,06	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1411	ECUX1A105KBN	C.CAPACITOR CH 10V 1U	1	
C1412,13	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1414	VCEA1ASC4R7M	E.CAPACITOR 10V 4.7U	1	F2D1A4R70002
C1415-17	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3	
C1418,19	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1420,21	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C1422,23	F2D1A1010002	E.CAPACITOR 10V 100U	2	
C1424,25	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1427	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
C1801	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1802	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1803	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1804	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1805	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1806	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1807	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1808	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1811	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1814,15	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1816,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C1818	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1819	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1820	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1821	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1822	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1823	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1824	F2D1A1010002	E.CAPACITOR 10V 100U	1	
D1201	VSD0129	DIODE	1	
D1202	SF20SC3L	DIODE	1	B0JBSD000010
D1203	MA142WK	DIODE	1	
D1204	MA142WA	DIODE	1	
D1205	MA3100-M	DIODE	1	
D1206	MA142K	DIODE	1	
D1208	MA3200-M	DIODE	1	
D1209	MA8068-M	DIODE	1	
D1211	SFPB-54	DIODE	1	B0JCMC000002
D1212	MA142K	DIODE	1	
D1213	MA8100-M	DIODE	1	
D1214	MA142WK	DIODE	1	
D1215	MA3051-H	DIODE	1	
D1216	MA142K	DIODE	1	
D1301	MA152K	DIODE	1	
D1302-06	MA142K	DIODE	5	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1308	SFPB-54	DIODE	1	B0JCMC000002
D1309-11	DE5SC4M-4061	DIODE	3	B0JDRE000001
D1312,13	MA142K	DIODE	2	
D1314	MA8180-M	DIODE	1	
D1315	MA142K	DIODE	1	
D1316	MA8180-M	DIODE	1	
D1317	MA142K	DIODE	1	
D1318	MAZ80820HL	DIODE	1	
D1319	MA142K	DIODE	1	
D1320	MA8130-M	DIODE	1	
D1321	MA142K	DIODE	1	
D1322	MA142WA	DIODE	1	
D1323	MA142K	DIODE	1	
D1324	MA152K	DIODE	1	
D1402,03	MA142WK	DIODE	2	
D1404,05	SFPB-76V	DIODE	2	
D1406,07	MAZ80680KL	DIODE	2	
D1408	MA142WA	DIODE	1	
D1409	MA142WK	DIODE	1	
D1801	MA142K	DIODE	1	
D1802	MAZ81400ML	DIODE	1	
D1803	MA142K	DIODE	1	
D1804	MAZ80680KL	DIODE	1	
D1805	MA142K	DIODE	1	
D1806	MA142WA	DIODE	1	
D1807	MA152K	DIODE	1	
D1808,09	MA142K	DIODE	2	
D1810,11	DE5SC4M-4061	DIODE	2	B0JDRE000001
⚠ F1201	K5D103AQ0001	FUSE	1	
IC1201	C0BBBA000019	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1301,02	BA9743AFV	IC	2	C0DBAZC00010
IC1401	C0DBAZB00006	IC	1	
IC1801	BA9743AFV	IC	1	C0DBAZC00010
L1301,02	VLQ0655K100	COIL 10UH	2	
L1303,04	J0JBC0000023	FILTER	2	
L1305	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1306	J0JBC0000023	FILTER	1	
L1307	VLQ0859M220	COIL 22UH	1	
L1308	VLQ0859M221	COIL 220U	1	
L1309	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1310	VLQ0859M221	COIL 220U	1	
L1311	VLQ0655K220	COIL 22UH	1	
L1312	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1313	VLQ0441K220	COIL 22UH	1	
L1314,15	VLQ0655K220	COIL 22UH	2	
L1316	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1317	J0JKC0000009	FILTER	1	
L1401-04	J0JBC0000023	FILTER	4	
L1405,06	VLQ0441K1R0	COIL 1.0UH	2	
L1407	VLQ0859M100	COIL 10UH	1	
L1408	VLQ0859M220	COIL 22UH	1	
L1409	VLQ0655M3R3	COIL 3.3UH	1	
L1410	VLQ0655K100	COIL 10UH	1	
L1801	VLQ0655K100	COIL 10UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804	VLQ0784331	COIL 330UH	1	
L1805	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1806	VLQ0859M221	COIL 220U	1	
L1807,08	VLQ0441K220	COIL 22UH	2	
L1809	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
P1201	K1KA06A00262	CONNECTOR	1	
P1202	VJP3957A002	CONNECTOR (MALE)	1	K1KA02A00169
P1203	VJP4232B030	CONNECTOR (MALE)	1	K1KA30B00031
P1204	VJP1596T	CONNECTOR (MALE)	1	K1KA03A00113
P1205	K1KA03A00017	CONNECTOR (MALE)	1	
Q1201,02	XN0121300L	TRANSISTOR-RESISTOR	2	
Q1203	XN0460100L	TRANSISTOR-RESISTOR	1	
Q1204-07	B1DGJG000005	TRANSISTOR	4	
Q1208,09	XN0440100L	TRANSISTOR	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1210	XN4501	TRANSISTOR-RESISTOR	1	
Q1211,12	2SD1819A-R	TRANSISTOR	2	
Q1301,02	XN4501	TRANSISTOR-RESISTOR	2	
Q1303,04	2SD1819A-R	TRANSISTOR	2	
Q1306,07	2SD1819A-R	TRANSISTOR	2	
Q1308	2SD1820A-R	TRANSISTOR	1	
Q1309-12	XN0440100L	TRANSISTOR	4	
Q1313	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1314	2SJ214S	TRANSISTOR	1	
Q1315	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1316,17	2SK1059-Z	TRANSISTOR	2	B1DFDG000001
Q1318,19	2SD1819A-R	TRANSISTOR	2	
Q1401-04	B1DFFD000006	FET	4	
Q1801	2SD1819A-R	TRANSISTOR	1	
Q1802	XN4501	TRANSISTOR-RESISTOR	1	
Q1803	2SD1819A-R	TRANSISTOR	1	
Q1805	2SD1819A-R	TRANSISTOR	1	
Q1807,08	XN0440100L	TRANSISTOR	2	
Q1809,10	2SJ279S	TRANSISTOR	2	B1DGDG000002
QR1201	UNR521300L	TRANSISTOR	1	
QR1202	UNR521100L	TRANSISTOR	1	
QR1203	UNR511300L	TRANSISTOR	1	
QR1204	UN5212	TRANSISTOR-RESISTOR	1	
QR1207	UN5212	TRANSISTOR-RESISTOR	1	
QR1208	UNR511300L	TRANSISTOR	1	
QR1210,11	UNR521100L	TRANSISTOR	2	
QR1301,02	UNR511200L	TRANSISTOR	2	
QR1303	UNR521100L	TRANSISTOR	1	
QR1304,05	UNR511200L	TRANSISTOR	2	
QR1306-08	UNR521100L	TRANSISTOR	3	
QR1309,10	UNR511300L	TRANSISTOR	2	
QR1801	UNR511300L	TRANSISTOR	1	
QR1802	UNR511200L	TRANSISTOR	1	
QR1803	UNR521100L	TRANSISTOR	1	
QR1804	UNR511200L	TRANSISTOR	1	
QR1805	UNR521100L	TRANSISTOR	1	
R1201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1202-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1207,08	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	2	
R1209	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1210	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1211	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1212	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1213	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1215	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1217	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1220,21	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1222	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1223	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1224	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1225	ERJ3RBD513	M.RESISTOR CH 1/16W 51K	1	
R1227,28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1229	VRE0222J33M	M.RESISTOR	1	
R1230	VRE0222J10M	M.RESISTOR	1	
R1231,32	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R1233,34	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	2	
R1235	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1236,37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1238,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1240	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1241	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1243	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1244	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R1248	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1249	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1252	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1307,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R1309-12	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1313,14	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R1315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1316	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1317	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1318	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1322	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1323	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1324,25	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1326	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1327-29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1330	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1331	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1332,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1334	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1335	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1336	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1338	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1339,40	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1341	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1342	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1344	VRE0202H18	M.RESISTOR CH 0.18	1	
R1345,46	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1347	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1348	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1349	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1350	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1351	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1352	VRE0202HR10	M.RESISTOR CH 1	1	
R1355	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1357,58	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1359	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1360	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1364,65	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1366	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1368	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1371	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1372	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1373	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1374,75	ERJ6RBD911	M.RESISTOR CH 1/10W 910	2	
R1376	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R1377	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	
R1378,79	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1380	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R1381	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1382	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1	
R1383	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1384,85	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1386,87	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1388	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1390	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1392	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1393	ERJ6RBD751	M.RESISTOR CH 1/10W 750	1	
R1394	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1395	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R1403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1404	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1407,08	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R1409,10	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R1416	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1417,18	VRE0202H12	M.RESISTOR CH 0.12	2	
R1419,20	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1421	ERJ6RBD432	M.RESISTOR CH 1/10W 4.3K	1	
R1422	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1423,24	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1425	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1803,04	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1805,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1807-10	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1813	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1814	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1815	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1817	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1818	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1819	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1820	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1821	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1822	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1823	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1824,25	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R1828	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1829	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R1830,31	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1832	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1833	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1834	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1835	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1838,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1843	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1844	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1845	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1846	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1847	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
R1848	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1849	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1850	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
T1301	VLT0925	TRANSFORMER	1	G4ZZ00000377
⚠ TH1205	VRT0148050	THERMISTOR	1	D4ZZ00000006
TH1206	VRT0143	THERMISTOR	1	
TP1301-06	EYF6CU	TEST POINT	6	
TP1401,02	EYF6CU	TEST POINT	2	
TP1801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	EYF52BC	FUSE HOLDER	2	
	VJR1008	EARTH LUG	4	
	VSC4859	HEAT SINK (A)	1	
	XYN3+F8	SCREW	1	
	XYN3+J8	SCREW	1	
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
C1502	EEFCD0K330R	E.CAPACITOR 8V 33U	1	
C1503	ECA0JHG471B	E.CAPACITOR 6.3V 470U	1	
C1504	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C1505	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1506	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1507	EEUFC1V561S	E.CAPACITOR 35V 560U	1	
C1508	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1509	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1510,11	ECA1CHG472	E.CAPACITOR 16V 4700U	2	
C1601	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1609	ECJ2VC1H222J	C.CAPACITOR CH 50V 2200P	1	
C1613	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1614	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1616	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1620	ECJ2XC1H331J	C.CAPACITOR CH 50V 330P	1	
C1621	ECUM1H100JCN	C.CAPACITOR CH 50V 10P	1	
C1630	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1631	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1701,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1703	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1704,05	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	2	
C1706,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1708,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1710,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1712,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1714,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1718,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1720,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1722	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1801,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1803	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1804,05	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C1806,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1808,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1810,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1812,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1814,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1816,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C1818,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1820,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1822	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
D1501	MA3051-H	DIODE	1	
D1502,03	MA115	DIODE	2	
D1504	MA3270-M	DIODE	1	
D1505	NSQ03A04	DIODE	1	B0JCPE000013
D1506	MA3062M	DIODE	1	
D1507	MA142K	DIODE	1	
D1606	MAZ82200ML	DIODE	1	
D1609	MA142WK	DIODE	1	
D1610	NSQ03A04	DIODE	1	B0JCPE000013
D1611	MA142WK	DIODE	1	
D1701	MA720	DIODE	1	
D1703,04	NSQ03A04	DIODE	2	B0JCPE000013
D1705,06	MA8056-MH	DIODE	2	
D1708	MA142WK	DIODE	1	
D1710	MA720	DIODE	1	
D1711	MA142WK	DIODE	1	
D1720,21	MA8030-H	DIODE	2	
D1803,04	NSQ03A04	DIODE	2	B0JCPE000013
D1805,06	MA8056-MH	DIODE	2	
D1807	MA142WA	DIODE	1	
D1808	MA142WK	DIODE	1	
D1809,10	MA720	DIODE	2	
D1811	MA8030-H	DIODE	1	
D1813	MA8030-H	DIODE	1	
IC1501	C0ABBA000071	IC	1	
IC1602	C0DBAKG00004	IC	1	
IC1702,03	C0DBAGH00030	IC	2	
IC1801,02	C0DBAGH00030	IC	2	
JP1501-03	VJR1008	EARTH LUG	3	
L1501	G1A220F00006	COIL 22UH	1	
L1602	G1A4R7H00002	COIL 4.7UH	1	
L1603	VLQ0859M470	COIL 47UH	1	
L1604	J0JKC0000009	FILTER	1	
L1605	J0JBC0000023	FILTER	1	
L1609	G1A4R7H00002	COIL 4.7UH	1	
L1701	G1A4R7H00002	COIL 4.7UH	1	
L1702,03	J0JBC0000023	FILTER	2	
L1704,05	J0JKC0000009	FILTER	2	
L1706,07	VLQ0859M470	COIL 47UH	2	
L1709	G1A4R7H00002	COIL 4.7UH	1	
L1712	G1A4R7H00002	COIL 4.7UH	1	
L1801	G1A4R7H00002	COIL 4.7UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804,05	J0JKC0000009	FILTER	2	
L1806,07	VLQ0859M100	COIL 10UH	2	
L1812	G1A4R7H00002	COIL 4.7UH	1	
P1501	VJP3926A024	CONNECTOR (MALE)	1	
P1502	K1KA06A00031	CONNECTOR (MALE)	1	
P1503	K1KA08A00119	CONNECTOR (MALE)	1	
Q1501	2SD601A-R	TRANSISTOR	1	
Q1502	2SC3074Y	TRANSISTOR	1	B1BADF000002
Q1503	2SB936A-Q	TRANSISTOR	1	
Q1504	2SD1819A-R	TRANSISTOR	1	
Q1602	B1DFFD000006	FET	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1701-04	B1DFFD000006	FET	4	
Q1705,06	2SD1819A-R	TRANSISTOR	2	
Q1708,09	2SD1819A-R	TRANSISTOR	2	
Q1801-04	B1DFFD000006	FET	4	
R1501	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1502,03	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1504,05	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R1506	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1507	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1508	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1509	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R1510-12	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R1513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1609	ERJL1WKJ47M	M.RESISTOR CH 1W	1	
R1619	ERJ6RED474	M.RESISTOR CH 1/10W 470K	1	
R1623	ERJ6RBD243	M.RESISTOR CH 1/10W 24K	1	
R1626	ERJ6RBD393	M.RESISTOR CH 1/10W 39K	1	
R1627	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R1628	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R1648	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1650	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
⚠ R1659	K5H312300003	FUSE	1	
R1701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1705,06	ERJL1WKJ47M	M.RESISTOR CH 1W	2	
R1707,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1711,12	ERJ6RED184	M.RESISTOR CH 1/10W 180K	2	
R1713	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1714	ERJ6RED154	M.RESISTOR CH 1/10W 150K	1	
R1715	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1716	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1717,18	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1719	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1721,22	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R1723,24	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1725	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1730,31	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R1801,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1805,06	VRE0202H22M	M.RESISTOR	2	
R1807,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1809	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1810	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1811	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1812	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1813	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1814	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1815,16	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1820,21	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
T1501	VLT0889	TRANSFORMER	1	G4ZZ00000368
		MISCELLANEOUS		
	VSC5620	SHIELD A	1	
	VMP5861	P.C.B. HOLDER ANGLE (L)	1	
	VMP5862	P.C.BOARD FIX ANGLE (R)	1	
	XTV3+6F	SCREW	2	
	VKC0295	BOARD SPACER	1	
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
P1,P2	K1KB06B00035	CONNECTOR (FEMALE)	2	
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
JP1-P6	VJR1008	EARTH LUG	6	
P101	K1KA08A00441	CONNECTOR (MALE)	1	
P103-05	K1KA08A00441	CONNECTOR (MALE)	3	
P111	VJS4232A030	CONNECTOR (FEMALE)	1	K1KB30A00003
P112	VJP3926A024	CONNECTOR (MALE)	1	
P201-05	VJS4064N160E	CONNECTOR (FEMALE)	5	K1KAG0A00006
P206	VJS4064K140E	CONNECTOR (FEMALE)	1	K1KAE0A00007
P301,02	VJS3600F030K	CONNECTOR (FEMALE)	2	
P303	VJS3406D020	CONNECTOR (FEMALE)	1	K1MN20B00029
P401,02	K1MN40A00007	CONNECTOR	2	
P403	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
		MISCELLANEOUS		
	VKC0295	BOARD SPACER	2	
	VEE1A29	SHIELD CABLE	1	
	VJF0300	A/C HEAD BINDER	1	
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
C1-C3	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	3	F1J1H121A025
C4,C5	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	F1J1H101A025
C6-C8	F1L1A4760003	C.CAPACITOR CH 16V 47U	3	
C9-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C13	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C14,15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C16	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C18	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C100	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C101-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C200	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
D1-D5	MA3X15300L	DIODE	5	
D200-04	LN38GCPP	LED	5	
DP100	VSL0489	DISPLAY	1	A2BA00000191
IC1	C2CBKJ000078	IC	1	
IC2	TL7705CPSB	IC	1	C0EBS0000002
IC3	C0JBAB000350	IC	1	
IC100,01	MN12511S	IC	2	
ID0	VVVSI4330A	SOFTWARE	1	DOWNLOAD ONLY
J1	VJJ0571	JACK	1	
L1,L2	G1C101K00022	COIL 100UH	2	
P1	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
P2	K1KA03A00017	CONNECTOR (MALE)	1	
P3	K1KA06A00031	CONNECTOR (MALE)	1	
P200	VJS4243B018	CONNECTOR (FEMALE)	1	K1MN18B00032
Q100-06	2SB710A-R	TRANSISTOR	7	
Q200-11	2SD0601ARL	TRANSISTOR	12	
QR100-06	MUN2213	TRANSISTOR-RESISTOR	7	
R3	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
⚠ R4	K5H1023A0001	FUSE	1	
R5	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R6,R7	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R8,R9	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R11	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	D0GD105JA003
R12,13	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R14-17	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R18,19	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R20-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	3	
R23	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R24	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R25	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R107	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R108	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R109	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R110	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R111	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R112	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R113	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R114	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R115	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R116	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R117	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R118	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R119	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R120	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R121-27	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	7	
R200-02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R203	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R204,05	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R206	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R207	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R208-10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R211	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R212	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R213,14	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R215	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R216	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R217,18	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R219	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R220	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R221,22	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R224	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R225	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R226	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R227,28	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R229	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R230	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R231	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
SW203	VSS0249	SWITCH	1	K0D113A00050
SW205	VSS0250	SWITCH	1	K0D112A00104
SW206	VSS0249	SWITCH	1	K0D113A00050
SW65102	EVQQS307K	SWITCH	1	
SW65105	EVQQS307K	SWITCH	1	
SW65107,08	EVQQS307K	SWITCH	2	
VR1	EVJYM0F15C23	V.RESISTOR 2K	1	
X1	H0J100500016	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF1360	DISPLAY HOLDER	1	
	VGQ0458	SPACER	5	
	QJT0015	GND TERMINAL	1	
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
C1,C2	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3,C4	EEFCD0K330R	E.CAPACITOR 8V 33U	2	
C5,C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C7	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C9,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C12-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C17,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C19	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C21,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C23,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C25	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C26,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C28	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
D1	MA3062M	DIODE	1	
D3,D4	MA3062M	DIODE	2	
D5	MA716	DIODE	1	
D6	MA142K	DIODE	1	
D7	MA3062M	DIODE	1	
IC1	C0CBADD00003	IC	1	
IC2	XC62DN5002M	IC	1	
J1-J3	K1QBB2AA0005	CONNECTOR	3	
J4	K2HA205A0004	JACK	1	
J5	K1QBB2AA0005	CONNECTOR	1	
L1,L2	VLP0183	COIL	2	J0JKC0000007
L3-L8	VLP0145	COIL	6	
P1,P2	VJS3421A020	CONNECTOR (FEMALE)	2	K1MN20A00027
P3	VJP3414A009	CONNECTOR (MALE)	1	K1FB109A0016
Q1	XN4501	TRANSISTOR-RESISTOR	1	
Q3,Q4	XN4501	TRANSISTOR-RESISTOR	2	
Q5	2SA1532-B	TRANSISTOR	1	
Q6	XN4501	TRANSISTOR-RESISTOR	1	
Q7	2SC2295	TRANSISTOR	1	
R1	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3,R4	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R5	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7,R8	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R9	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R11,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R13,14	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R17-20	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	4	
R21	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R22	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R23	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R27	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R31	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R32	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R35	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R39	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40,41	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R42	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R43	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R44	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
SW1	VSS0307	SWITCH	1	K0D122A00105
		MISCELLANEOUS		
	VMP5301	D SUB HOLDER ANGLE	1	
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
C201-04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C229-32	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J201,02	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J203,04	K1AB103A0007	CONNECTOR (MALE)	2	
J205,06	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J207,08	K1AB103A0007	CONNECTOR (MALE)	2	
L201	VLP0145	COIL	1	
L203	VLP0145	COIL	1	
L205,06	VLP0145	COIL	2	
L208	VLP0145	COIL	1	
L210	VLP0145	COIL	1	
L212	VLP0145	COIL	1	
L214,15	VLP0145	COIL	2	
L217	VLP0145	COIL	1	
L219,20	VLP0145	COIL	2	
L222	VLP0145	COIL	1	
L224,25	VLP0145	COIL	2	
L227	VLP0145	COIL	1	
L229-31	VLP0145	COIL	3	
L233	VLP0145	COIL	1	
L235,36	VLP0145	COIL	2	
L238	VLP0145	COIL	1	
L240	VLP0145	COIL	1	
P201	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
P301	VJS2582B018	CONNECTOR (FEMALE)	1	K1MN18B00028
R301,02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R303	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R304	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R305	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R306	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R307	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R308	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R309	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R310	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R311	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R312	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R313	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R314	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R315	ERJ14YJ181	M.RESISTOR CH 1/4W 180	1	
SW301	VST0331	SWITCH	1	K0C112B00006
SW302	VSP0853A000	SWITCH	1	K0F111A00235
SW303	VSP0792	SWITCH	1	K0F111A00280
SW304	K0F111A00426	SWITCH	1	
SW305	VSP0791	SWITCH	1	K0F111A00279
SW306	VSP0790	SWITCH	1	K0F111A00278
SW307	VSP0793	SWITCH	1	K0F111A00281
SW308	VSP0789	SWITCH	1	K0F111A00283
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
P65401	VJP1610T	CONNECTOR (MALE)	1	K1KA06B00059
VR65401,02	EVU023003B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E69	REC VR CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
P65301	VJP1611T	CONNECTOR (MALE)	1	K1KA07B00032
VR65301,02	EVU023006B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E70	PB VR CABLE	1	
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
C66000	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66001	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C66002	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66003	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
IC66000	TL7705CPSB	IC	1	C0EBS0000002
P66001,02	VJS3537A024G	CONNECTOR (FEMALE)	2	K1MN24A00027
P66003	VJP1599T	CONNECTOR (MALE)	1	K1KA06A00125
P66004	VJP1600T	CONNECTOR (MALE)	1	K1KA07A00066
P66005	K1KA03A00017	CONNECTOR (MALE)	1	
R66000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R66001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C9,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C11,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C17,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C19,20	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C21-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C28,29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C30	F1J0J475A006	C.CAPACITOR CH6.3V 4.7U	1	
C100	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C101-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C109-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C112-15	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C116,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C209,10	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C211	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C218	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C219,20	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C222	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C304	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C305,06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C307	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C308-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C315,16	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C317-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C322	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C323	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C324,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C326,27	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C328	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C350-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C400,01	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C403-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C407,08	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C409	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C410,11	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C412-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C417,18	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C450,51	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C452,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C454,55	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C456-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C700-02	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	F1J1H103A010
C703	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C704	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C705	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C706	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C707	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C708,09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C710	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C711,12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C713-15	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C716	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C717,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C719	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C720	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C721	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C722,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C724	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C725	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C726,27	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C800-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C807	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C808	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C809	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C810	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C811	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C812-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C815	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C816	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C817,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C819,20	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C900	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C901	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C902	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C903	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C904,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C906	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C907	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C908	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C909	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C910	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C911	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C5001,02	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C5003,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5005	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5006	EEVHB1E470P	E.CAPACITOR 25V 47U	1	
C5007,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5009,10	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5011,12	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C5013,14	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5015,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6001	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6002	VCE0180	E.CAPACITOR 25V 100U	1	F2G1E1010003
C6003,04	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C6005	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6006,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C6008,09	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C6010-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6013	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C6015	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6016	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6017	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6018-20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6021,22	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D8	MA147	DIODE	1	
D300-02	MA147	DIODE	3	
D403,04	MA142K	DIODE	2	
D405-07	MA147	DIODE	3	
D408	MA142K	DIODE	1	
D450,51	MA142K	DIODE	2	
D800	MA142WK	DIODE	1	
D801	MA142K	DIODE	1	
D802-05	MA142WK	DIODE	4	
D806	MA147	DIODE	1	
D807,08	MA142WK	DIODE	2	
D809	MA142WA	DIODE	1	
D810	MA8051-M	DIODE	1	
D811	MA8082-H	DIODE	1	
D812	MA142WK	DIODE	1	
D813	MA142K	DIODE	1	
D814	MAZ80330HL	DIODE	1	
D815	MA8039-H	DIODE	1	MAZ80390HL
D5001,02	MA2J72800L	DIODE	2	
D5003,04	MA2Q73600L	DIODE	2	
D6001,02	MA2J72800L	DIODE	2	
D6003,04	MA2Q73600L	DIODE	2	
D6005	MA142K	DIODE	1	
IC1	TC4052BF	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	C0JBAZ000994	IC	1	
IC4	TC4052BF	IC	1	
IC5-C8	C0ABBB000179	IC	4	
IC9,10	C0ABBB000184	IC	2	
IC11,12	C0BBBA000044	IC	2	
IC13	C0JBAZ000994	IC	1	
IC17	C0ABBB000184	IC	1	
IC20	C0BBBA000044	IC	1	
IC23	C0JBAB000397	IC	1	
IC24	C0JBAZ001121	IC	1	
IC26-28	C0JBAZ001121	IC	3	
IC29	C0JBAZ001003	IC	1	
IC33-35	C0ABBB000179	IC	3	
IC36,37	C0ABBA000075	IC	2	
IC38	C0BBBA000044	IC	1	
IC41	C0BBBA000044	IC	1	
IC42	C0ABBB000184	IC	1	
IC46	C0JBAF000487	IC	1	
IC47,48	C0JBAM000111	IC	2	
IC49	C0JBAZ001120	IC	1	
IC50	C0JBAM000111	IC	1	
IC51	C0JBAZ001120	IC	1	
IC52	C0JBAM000111	IC	1	
IC53	C0ABBA000075	IC	1	
IC54	C0BBBA000044	IC	1	
IC302	MN1030F04KHF	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC350	X9288L7T144	IC	1	
IC351	X9144L7T100	IC	1	
IC400	M62370GP	IC	1	C0FBBD000082
IC700	AN3890FBS	IC	1	
IC701	TB6519F	IC	1	C0GBY0000011
IC900	C0CBABD00005	IC	1	
IC5001,02	MN13821-S	IC	2	
IC6001	TL1451CNS	IC	1	C0DBAMA00001
ID0	VVVSI4281A	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4289A	SOFTWARE	1	DOWNLOAD ONLY
J900-02	K4CD01000007	CABLE TERMINAL	3	
L900-04	VLF1151A132	COIL	5	
L5001,02	VLQ0407120M	COIL 12UH	2	G0A120HA0007
L5003,04	VLQ0650M151	COIL 150UH	2	G1C151MA0016
L6001,02	VLQ0650M151	COIL 150UH	2	G1C151MA0016
P300	VJS3791B020	CONNECTOR (FEMALE)	1	
P350	K1KA08B00147	CONNECTOR (FEMALE)	1	
P900,01	K1MN40A00007	CONNECTOR	2	
P902	K1KA08A00119	CONNECTOR (MALE)	1	
P903	K1KBA0A00084	CONNECTOR (FEMALE)	1	
Q450,51	2SD601A	TRANSISTOR	2	
Q700	PU3210	TRANSISTOR	1	
Q701	PU3110	TRANSISTOR	1	
Q702	2SB1073-R	TRANSISTOR	1	
Q703	2SD1119-R	TRANSISTOR	1	
Q704	2SB1073-R	TRANSISTOR	1	
Q705	2SD1119-R	TRANSISTOR	1	
Q706	2SB1073-R	TRANSISTOR	1	
Q707	2SD1119-R	TRANSISTOR	1	
Q800	2SB710A	TRANSISTOR	1	
Q801,02	2SB1073-R	TRANSISTOR	2	
Q5001,02	2SD1819A-R	TRANSISTOR	2	
Q5003	2SB1174-Q	TRANSISTOR	1	2SB11740Q
Q5004	2SB1073	TRANSISTOR	1	
Q5005,06	2SD1819A-R	TRANSISTOR	2	
Q6001,02	2SB1174-Q	TRANSISTOR	2	2SB11740Q
QR1-R4	UNR521300L	TRANSISTOR	4	
QR9	UNR521300L	TRANSISTOR	1	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UN5217	TRANSISTOR-RESISTOR	1	
QR702	UNR521300L	TRANSISTOR	1	
QR703	UNR521400L	TRANSISTOR-RESISTOR	1	
QR800	UNR521400L	TRANSISTOR-RESISTOR	1	
QR801	UNR511300L	TRANSISTOR	1	
QR802	UNR521400L	TRANSISTOR-RESISTOR	1	
QR803	UNR521300L	TRANSISTOR	1	
QR806	UNR521300L	TRANSISTOR	1	
QR807,08	UNR521400L	TRANSISTOR-RESISTOR	2	
QR809	UNR521300L	TRANSISTOR	1	
QR810	UNR511300L	TRANSISTOR	1	
QR811-15	UNR521400L	TRANSISTOR-RESISTOR	5	
QR816	UNR511300L	TRANSISTOR	1	
QR5001,02	UNR521300L	TRANSISTOR	2	
QR6001,02	UNR511100L	TRANSISTOR	2	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R8	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R9	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R10	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R11	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R15	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R17	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R22	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R23	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R24	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R25	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R28	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R29	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R30	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R35	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R40,41	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R42,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R46,47	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R51	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R54	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R55	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R56	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R57,58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R101	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R102	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R103	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R104	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R105	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R106	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R108	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R109	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R110	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R111	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R112	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R113	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R114	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R115	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R116-19	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R120,21	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R122-25	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R126-29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R130-33	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R134-37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R138	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R139	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R140	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R141	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R142,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R144,45	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R146-49	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R201	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R203	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R204	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R209	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R210	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R211	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R212	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R213,14	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R218,19	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R220,21	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R226,27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R234,35	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R238,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R240,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R242,43	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R244,45	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R300	EXBV8V470J	COMBI.R-R 47	1	
R301,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R303	EXBV8V470J	COMBI.R-R 47	1	
R304-06	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R307-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R310	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R311	EXBV8V473J	COMBI.R-R 47K	1	
R312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R313	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R315,16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R317	EXBV8V101J	COMBI.R-R 100	1	
R318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R319	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R320	EXBV8V470J	COMBI.R-R 47	1	
R321	EXBV8V473J	COMBI.R-R 47K	1	
R322,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R324	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R326	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R329	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R330-35	EXBV8V470J	COMBI.R-R 47	6	
R336	EXBV8V473J	COMBI.R-R 47K	1	
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R343	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R350	EXBV8V102J	COMBI.R-R 1K	1	
R351	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R352	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R357	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R358	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R359,60	EXBV8V470J	COMBI.R-R 47	2	
R361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R362	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R366,67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R368	EXBV8V470J	COMBI.R-R 47	1	
R369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R370	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R400,01	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R402,03	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R407-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R410,11	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R412,13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R414,15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R417	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R419	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R420,21	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R422	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R423	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R424-26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R429	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R430	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R450,51	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R452	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R453,54	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R455	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R456-59	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R460,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R700-02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R703	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R704	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R705	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R706,07	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R708	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R709	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R710,11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R712	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R713	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R714	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R716-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R719	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R720-22	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R800	EXBV8V473J	COMBI.R-R 47K	1	
R801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R802	EXBV8V473J	COMBI.R-R 47K	1	
R803	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R804	EXBV8V473J	COMBI.R-R 47K	1	
R805	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R806	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R807	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R808	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R809	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R811	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R812-15	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R818	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R819	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R820	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R823	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R824	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R825	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R826	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R829-33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R834-36	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R837,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R839	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R840	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R841	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R842	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R843,44	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R845,46	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R847,48	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R900	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R907-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5002	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5003	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5004	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5005-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5009	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R5010	K5H2523A0001	FUSE	1	
R5013,14	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R5015,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5017,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5019,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5021,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5023,24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5025,26	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R5027-30	ERJ12YJ222	M.RESISTOR CH 1/2W 2.2K	4	
R5031,32	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R6001	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R6003,04	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R6005,06	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R6007,08	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R6009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6010	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6011	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6012	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6013	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6014	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6017,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6022,23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6025	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6026	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6027,28	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6029,30	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R6031	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6032	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6033	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6034,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
TG450	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP104-07	EYF6CU	TEST POINT	4	
TP204,05	EYF6CU	TEST POINT	2	
TP350-53	EYF6CU	TEST POINT	4	
TP371	EYF6CU	TEST POINT	1	
TP409	EYF6CU	TEST POINT	1	
TP800,01	EYF6CU	TEST POINT	2	
TP900	EYF6CU	TEST POINT	1	
X300	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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ELECTRICAL REPLACEMENT PARTS LIST
FOR AJ-HD1200AE/AMC

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
■ E10	VEP81203E	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203E
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
C1,C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3,C4	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C5,C6	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C7,C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C9,10	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C14-17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	4	
C18-26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C27-31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C50-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	24	
C100-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	15	
C150-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C166,67	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	2	
C168,69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C170	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C171	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C174	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C175-84	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C200	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C201	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C202	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C203-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C250,51	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C252	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C255	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C256	ECUX1C184KBN	C.CAPACITOR CH 16V 0.18U	1	
C257-69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C290	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C300,01	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C302-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C370-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C374	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C375,76	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C377	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C378	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C379	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C380-92	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C452	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C457-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C500-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C511	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C551	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C552-57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C558	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C559	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C561-81	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	21	
C650,51	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C652	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C653	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C654-58	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C659	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C660,61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C662,63	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C664,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C670	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D150,51	MA3J14300L	DIODE	2	
D650	LN1271RAL	DIODE	1	
FL500,01	EZAST33AAAJ	FILTER	2	
IC1,C2	C0CBABD00005	IC	2	
IC3	DS90CR217MTD	IC	1	C0ZBZ0000466

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4	DS90CR218MTD	IC	1	C0ZBZ0000468
IC5	C0CBAAD00023	IC	1	
IC50,51	C3HBKG000002	IC	2	
IC52	C3HBKZ000001	IC	1	
IC53	C1ZBZ0002371	IC	1	
IC100	C1AB00001751	IC	1	
IC101,02	C3HBKZ000001	IC	2	
IC150	MB87J1460	IC	1	C1AB00001232
IC151,52	C3ABQG000045	IC	2	
IC153	C0JBAZ000279	IC	1	
IC154	C0CBBDB00004	IC	1	
IC155	C0CBADD00003	IC	1	
IC156	C0ABEB000017	IC	1	
IC157,58	C0JBAZ001958	IC	2	
IC200	L7A1644	IC	1	C1AA00000231
IC201,02	MN47V07AF	IC	2	
IC250,51	MN673797A	IC	2	
IC252	BH7086KV	IC	1	C1ZBZ0001649
IC253	C0JBAB000422	IC	1	
IC254	C0JBAB000350	IC	1	
IC300	C1ZBZ0002371	IC	1	
IC370	C0CBABD00005	IC	1	
IC371	C3ABRG000011	IC	1	
IC372	H1ZYYYYB0004	IC	1	
IC373	C1AB00001590	IC	1	
IC450	C1ZBZ0002212	IC	1	
IC500	C1AB00001589	IC	1	
IC550	C0CBABD00005	IC	1	
IC551	C1ZBZ0002212	IC	1	
IC552	DS90LV047AC	IC	1	
IC553,54	DS90LV048AC	IC	2	
IC555	XC62FP3202P	IC	1	
IC556	C0CBABD00005	IC	1	
IC557	C0JBAZ002080	IC	1	
IC558-60	DS90LV048AC	IC	3	
IC561	DS90LV047AC	IC	1	
IC562	C0JBAZ001958	IC	1	
IC652	C2DBML000004	IC	1	
IC660	C3FBLD000046	IC	1	
ID0	VVVSI4279B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4284D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4285B	SOFTWARE	1	DOWNLOAD ONLY
ID3	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L6	VLP0183	COIL	6	J0JKC0000007
L250	VLQ0319K150	COIL 15UH	1	G1C150KA0002
L650,51	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	
P300	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
P650	K1KA10A00303	CONNECTOR (MALE)	1	
P651	VJS3791B020	CONNECTOR (FEMALE)	1	
QR650	UNR521300L	TRANSISTOR	1	
R1-R4	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R5,R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8	EXBV8V102J	COMBI.R-R 1K	1	
R14	EXBV8V101J	COMBI.R-R 100	1	
R50-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R54-61	D1H833040002	COMBI.R-R 33	8	
R62,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66	D1H833040002	COMBI.R-R 33	1	
R67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R68,69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R71-73	D1H833040002	COMBI.R-R 33	3	
R76	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R77-82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	6	
R84-86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R87-89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R90-93	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R104-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R110-15	D1H833040002	COMBI.R-R 33	6	
R116,17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R150	D1H833040002	COMBI.R-R 33	1	
R151-55	EXBV8V102J	COMBI.R-R 1K	5	
R156,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R158,59	D1H833040002	COMBI.R-R 33	2	
R160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R161	D1H833040002	COMBI.R-R 33	1	
R162,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R164,65	EXBV8V101J	COMBI.R-R 100	2	
R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R167	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R168	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R169	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R170-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R173	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R174	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R175,76	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R177	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R178,79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R180	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R181	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R182	VLP0173	COIL	1	J0JGC0000015
R183-86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R200	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R201	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R204	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R205	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R206	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R207,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R209,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R211	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R215	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R250,51	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R252-55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R256	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R258	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R259	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R260	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R261	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R262	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R263	D1H833040002	COMBI.R-R 33	1	
R264	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R265	D1H833040002	COMBI.R-R 33	1	
R267	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R268	D1H833040002	COMBI.R-R 33	1	
R269,70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R271,72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R273,74	D1H833040002	COMBI.R-R 33	2	
R275,76	EXBV8V101J	COMBI.R-R 100	2	
R277-81	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R282,83	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R284	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R285	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R286,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R288,89	D1H833040002	COMBI.R-R 33	2	
R290,91	EXBV8V101J	COMBI.R-R 100	2	
R292	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R293-96	EXBV8V102J	COMBI.R-R 1K	4	
R300	EXBV8V101J	COMBI.R-R 100	1	
R301,02	D1H833040002	COMBI.R-R 33	2	
R303	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R304,05	D1H833040002	COMBI.R-R 33	2	
R306	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R307	EXBV8V101J	COMBI.R-R 100	1	
R308,09	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R310,11	D1H833040002	COMBI.R-R 33	2	
R328-32	D1H833040002	COMBI.R-R 33	5	
R333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R334-37	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R338-41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R354-57	D1H833040002	COMBI.R-R 33	4	
R358	EXBV8V102J	COMBI.R-R 1K	1	
R359-62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R363-65	D1H833040002	COMBI.R-R 33	3	
R366-69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R370	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R372	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R373-75	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R376	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R377,78	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R381	EXBV8V473J	COMBI.R-R 47K	1	
R382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R383	EXBV8V101J	COMBI.R-R 100	1	
R384	EXBV8V473J	COMBI.R-R 47K	1	
R385	EXBV8V102J	COMBI.R-R 1K	1	
R386	EXBV8V473J	COMBI.R-R 47K	1	
R387	EXBV8V102J	COMBI.R-R 1K	1	
R388	EXBV8V473J	COMBI.R-R 47K	1	
R389	EXBV8V102J	COMBI.R-R 1K	1	
R390	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R391,92	D1H833040002	COMBI.R-R 33	2	
R393	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R394	EXBV8V101J	COMBI.R-R 100	1	
R396-00	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R401-04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R405	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R406	EXBV8V102J	COMBI.R-R 1K	1	
R407-11	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R412-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R416-21	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	6	
R422-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R426	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R428,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R452	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R554	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R555,56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R562,63	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R566	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R567	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R569	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R571	VLP0173	COIL	1	J0JGC0000015
R575	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R577-79	D1H833040002	COMBI.R-R 33	3	
R580-89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
R590,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R592-01	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	10	
R603,04	D1H833040002	COMBI.R-R 33	2	
R608	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R611	VLP0173	COIL	1	J0JGC0000015
R612	EXBV8V102J	COMBI.R-R 1K	1	
R613,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R615,16	D1H833040002	COMBI.R-R 33	2	
R617	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R619	D1H833040002	COMBI.R-R 33	1	
R620,21	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R622,23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R624	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R625	D1H833040002	COMBI.R-R 33	1	
R626	EXBV8V102J	COMBI.R-R 1K	1	
R627	D1H833040002	COMBI.R-R 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R628-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R631	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R634,35	D1H833040002	COMBI.R-R 33	2	
R636,37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R640	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R652	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R653	D1H833040002	COMBI.R-R 33	1	
R654	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R655	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R656	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R657	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R658	D1H833040002	COMBI.R-R 33	1	
R659	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R660,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R662	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R663	D1H833040002	COMBI.R-R 33	1	
R664	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R665	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R666	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R667	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R668	D1H833040002	COMBI.R-R 33	1	
R670	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R671	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R672,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R674	EXBV8V102J	COMBI.R-R 1K	1	
R676	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R678,79	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R680	EXBV8V473J	COMBI.R-R 47K	1	
R681,82	D1H833040002	COMBI.R-R 33	2	
R684	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
TG1-G7	EYF6CU	TEST POINT	7	
TP50,51	EYF6CU	TEST POINT	2	
TP250,51	EYF6CU	TEST POINT	2	
TP302	EYF6CU	TEST POINT	1	
TP304	EYF6CU	TEST POINT	1	
TP370,71	EYF6CU	TEST POINT	2	
TP378	EYF6CU	TEST POINT	1	
TP381	EYF6CU	TEST POINT	1	
TP450	EYF6CU	TEST POINT	1	
TP507,08	EYF6CU	TEST POINT	2	
X150	VSX0907	CRYSTAL OSCILLATOR	1	H4G1805A0003
X550	H1A3715B0001	CRYSTAL OSCILLATOR	1	
X551	H1A3705B0001	CRYSTAL OSCILLATOR	1	
X650	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
C1-C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C6-13	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	8	
C30,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C32	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C34	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C35-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C54	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C55,56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C57	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C150,51	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C152-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C155,56	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C157-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C230-47	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	18	
C300-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C304,05	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C306-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C309	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C310	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C311-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C320-22	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	3	
C327	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C329	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C331	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C332-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C341-43	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	3	
C344-46	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C347-51	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C352-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C355	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C356	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C357	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C358	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C359	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C360	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C361	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C362	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C363	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C364,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C430,31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C432,33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C434	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C435-39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C440	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C441	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C442	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C443	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C444	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C445	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C446	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C447	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C449	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C450-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C454	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C455	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C500,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C502,03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C504	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C506,07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C509,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C512	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C513,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C518	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C519	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C520,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C522,23	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C524-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C535	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C600-02	VCK0152	C.CAPACITOR CH 16V 10U	3	F1L1C1060016
C603-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C607	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C608-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C615	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C616	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C617-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C621	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C622	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025
C623	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C625	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C626	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C627	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C628	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C629	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C630-33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C634	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C635	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D430	MA142K	DIODE	1	
D500-03	MA3J14300L	DIODE	4	
D505-07	MA3J14300L	DIODE	3	
D508	LN1271RAL	DIODE	1	
D509	MA3J14300L	DIODE	1	
D600-05	MA3J14300L	DIODE	6	
FL300-02	J0E3005B0002	FILTER	3	
FL430	VLF1354	FILTER	1	
IC30	C1ZBZ0002319	IC	1	
IC31	IDTLVC16245F	IC	1	
IC33	IDTLVC16245F	IC	1	
IC36	C0JBAZ001880	IC	1	
IC37	C0CBABD00005	IC	1	
IC38	DS90CR218MTD	IC	1	C0ZBZ0000468
IC39	DS90LV048AC	IC	1	
IC40,41	C3ABQG000045	IC	2	
IC42	C0JBAZ001880	IC	1	
IC45	C3ABQG000045	IC	1	
IC150	C1ZBZ0002432	IC	1	
IC154	DS90CR217MTD	IC	1	C0ZBZ0000466
IC230	C1ZBZ0002432	IC	1	
IC232,33	C3ABRG000011	IC	2	
IC236	C1AB00001228	IC	1	
IC300,01	C0CBAAD00023	IC	2	
IC302	C1AB00001858	IC	1	
IC303-05	AD8055AR	IC	3	C0ABGB000013
IC306	LT1129CS8	IC	1	
IC307	LT1175CS8	IC	1	
IC308,09	TC7W53FU	IC	2	
IC310	ADV7128KR80	IC	1	
IC311	AD589JR	IC	1	
IC312	LT1129CS8	IC	1	
IC313	AD8184AR	IC	1	
IC430	C0JBAA000175	IC	1	
IC431	ADV7128KR80	IC	1	
IC432	AD589JR	IC	1	
IC433	AD8055AR	IC	1	C0ABGB000013
IC434	NJM2534V	IC	1	
IC500	C2DBML000004	IC	1	
IC501	C0EBE0000213	IC	1	
IC502	C0JBAA000174	IC	1	
IC503	C0JBAZ000851	IC	1	
IC504	C0JBAB000350	IC	1	
IC600	C3FBMD000050	IC	1	
IC601	TA75W558FU	IC	1	C0ABBA000042
IC602	C0JBAZ001713	IC	1	
IC604,05	TC7WH125FU	IC	2	
IC606	C0BBBB000006	IC	1	
IC610	C0CBADD00003	IC	1	
IC611	C1AB00000936	IC	1	
IC613	TC7WH125FU	IC	1	
IC614	C0JBAZ001121	IC	1	
IC617	TC7WH125FU	IC	1	
IC619	C0JBAZ001121	IC	1	
IC621	NJM2068MD	IC	1	C0ABBB000031
IC623	C0CBADD00003	IC	1	
IC628	SN75C1168NS	IC	1	
IC629	XC62DN5002M	IC	1	
ID0	VVVSI4280B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4286D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L5	VLP0183	COIL	5	J0JKC0000007

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L311-14	VLQ0319K1R0	COIL 1.0UH	4	
L430	VLQ0163J180	COIL 18UH	1	G1C180J00001
L431	VLQ0163J120	COIL 12UH	1	G1C120J00001
L500,01	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P150	VJS4064N160E	CONNECTOR (FEMALE)	1	K1KAG0A00006
P500	K1KA10A00303	CONNECTOR (MALE)	1	
P501	VJS3791B020	CONNECTOR (FEMALE)	1	
Q300-02	2SA1532-B	TRANSISTOR	3	
Q303-05	2SD601A-R	TRANSISTOR	3	
Q306-08	XN4501	TRANSISTOR-RESISTOR	3	
Q430	2SA1532-B	TRANSISTOR	1	
Q431	2SD601A-R	TRANSISTOR	1	
Q432	XN4501	TRANSISTOR-RESISTOR	1	
Q433-36	2SA1532-B	TRANSISTOR	4	
Q437	2SD601A-R	TRANSISTOR	1	
QR500-03	UNR521300L	TRANSISTOR	4	
R1	EXBV8V102J	COMBI.R-R 1K	1	
R30-35	D1H833040002	COMBI.R-R 33	6	
R36-46	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	11	
R47,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R49,50	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R52-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R57	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R59,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R62,63	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R64	D1H833040002	COMBI.R-R 33	1	
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66,67	D1H833040002	COMBI.R-R 33	2	
R68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R69-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R73-76	D1H833040002	COMBI.R-R 33	4	
R77	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R78,79	D1H833040002	COMBI.R-R 33	2	
R80,81	EXBV8V102J	COMBI.R-R 1K	2	
R82	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R83,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R85,86	D1H833040002	COMBI.R-R 33	2	
R87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R90-93	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R94	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R95,96	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R99	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R101,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R103,04	D1H833040002	COMBI.R-R 33	2	
R106-09	D1H833040002	COMBI.R-R 33	4	
R110	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R120	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R150-52	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R153	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R154-56	D1H833040002	COMBI.R-R 33	3	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159-63	D1H833040002	COMBI.R-R 33	5	
R164	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R165-69	D1H833040002	COMBI.R-R 33	5	
R170	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R177-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R185,86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R187	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R188	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R190-92	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R193	D1H833040002	COMBI.R-R 33	1	
R230-32	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R233	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R234,35	D1H833040002	COMBI.R-R 33	2	
R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R237,38	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R239,40	D1H833040002	COMBI.R-R 33	2	
R241,42	EXBV8V102J	COMBI.R-R 1K	2	
R243-47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R248,49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R251	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R252	D1H833040002	COMBI.R-R 33	1	
R253-57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R258	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R301-04	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R306,07	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R310,11	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R312	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R313,14	ERJ3RED100	M.RESISTOR CH 1/16W 10	2	
R315-17	ERJ3RBD301	M.RESISTOR CH 1/16W 300	3	
R321-23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R324-26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R327	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R328,29	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R330	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R332	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R333	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R334	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R335-38	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R339-41	ERJ3RBD241	M.RESISTOR CH 1/16W 240	3	
R342-44	ERJ3RED910	M.RESISTOR CH 1/16W 91	3	
R345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R347	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R349	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R351	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R352	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R353	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R354	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R355	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R356	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R357	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R358	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R359	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R360-62	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	3	
R375-77	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R378,79	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R380	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R383	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R384	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R385	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R387	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R430,31	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R432	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R433	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R435	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R436,37	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R438	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R439	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R440	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R441	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R442	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R444	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R445	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R446	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R447	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R448	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R449	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R450	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R451	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R454	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R460	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R461	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R462,63	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R464	ERJ3RED300	M.RESISTOR CH 1/16W 30	1	
R465	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R466	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R469	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R470	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	D0GZ103J0001	M.RESISTOR CH 10K	1	
R501	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R502	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R503	D1H833040002	COMBI.R-R 33	1	
R504	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R505	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R506-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R513	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R515	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R516	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R518	D1H833040002	COMBI.R-R 33	1	
R519-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R524	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R525	D0GZ103J0001	M.RESISTOR CH 10K	1	
R526	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R528	D1H833040002	COMBI.R-R 33	1	
R529	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R530,31	D1H833040002	COMBI.R-R 33	2	
R532	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R533	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R534,35	D1H833040002	COMBI.R-R 33	2	
R537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R538	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R539	D1H833040002	COMBI.R-R 33	1	
R543-47	D1H833040002	COMBI.R-R 33	5	
R548,49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R550	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R551	EXBV8V102J	COMBI.R-R 1K	1	
R552	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R553-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R559,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R561	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R562	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R563	EXBV8V473J	COMBI.R-R 47K	1	
R564	D1H833040002	COMBI.R-R 33	1	
R565	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R566	D1H833040002	COMBI.R-R 33	1	
R567	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R568	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R569	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R571,72	D0GZ103J0001	M.RESISTOR CH 10K	2	
R573	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R600	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R601	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R602	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R603	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R604	EXBV8V473J	COMBI.R-R 47K	1	
R605	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R606	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R607	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609,10	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R611	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R612,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R614	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R615	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R616	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R617	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R618,19	EXBV8V473J	COMBI.R-R 47K	2	
R621	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R622	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R623	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R625	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R626	D1H833040002	COMBI.R-R 33	1	
R627	EXBV8V473J	COMBI.R-R 47K	1	
R628	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R629,30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R632	D1H833040002	COMBI.R-R 33	1	
R633	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R634	EXBV8V473J	COMBI.R-R 47K	1	
R635,36	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R637	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R638	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R639	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R640	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R642	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R643	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R644	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R645	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R646	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R647	D1H833040002	COMBI.R-R 33	1	
R648	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R649	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R652	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R653	EXBV8V473J	COMBI.R-R 47K	1	
R654	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R655	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R656-59	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R660-62	D1H833040002	COMBI.R-R 33	3	
R663,64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
RY1	VSY2176	RELAY	1	K6B2CDA00045
SW1	VSS0367-02B	SWITCH	1	
TG1	EYF6CU	TEST POINT	1	
VR300-07	EVM7JGA00B13	V.RESISTOR 1K	8	
VR430,31	EVM7JGA00B13	V.RESISTOR 1K	2	
X500	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
C1-C4	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C7	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C8-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C101,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C103-06	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C108	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C110-22	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	13	
C123-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C201,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C205-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C211,12	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C213,14	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C311	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C312,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C315-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C319	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C320	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C321	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C324	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C325	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C326-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C351,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C353	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C354	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C355	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C356	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C359	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C361-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C401-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C412,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C415-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C419	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C420	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C423	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C424	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C425	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C426-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C451,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C453	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C454	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C455	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C456	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C459	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C501-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C511	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C512,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C519	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C520	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C523	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C524	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C525	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C527-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C551-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C561	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C562,63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C565-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C569	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C570	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C571	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C572	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C573	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C574	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C575	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C577-80	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C601-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C611	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C612,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C615-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C619	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C620	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C621	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C622	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C623	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C625	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C627-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C701	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C703-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C708-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C711	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C731	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C732	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C733-36	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C738-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C741	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C761	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C762	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C763-66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C768-70	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C771	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C801	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C802	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C803-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C806	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C807-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C819	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C820-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C826	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C827-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C834,35	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C836	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C837,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C902	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C903-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C906	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C907-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C919	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C920-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C926	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C928	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C930,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C935	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C937,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C939,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C941,42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1001	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1003-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1006	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1007-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1019	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1020-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1026	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1028	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1030,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1035	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1037,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1102	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1103-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1106	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1107-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1119	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1120-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1126	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1128	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1130,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1137,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1139,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1201	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1203-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1206	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1207-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1219	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1220-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1226	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1228	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1230,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1235	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1237,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1239,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C1311-13	F1L1A2260013	C.CAPACITOR CH 10V 22U	3	
C1314	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C1315	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1317-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1321	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1323,24	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C1325	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1327-29	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1330	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C1331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D1	MA3J14300L	DIODE	1	
D301	MA3S132E0L	DIODE	1	
D401	MA3S132E0L	DIODE	1	
D501	MA3S132E0L	DIODE	1	
D551	MA3S132E0L	DIODE	1	
D601	MA3S132E0L	DIODE	1	
D1301	MA142K	DIODE	1	
D1302	MA29W-A	DIODE	1	MA2C029WA
IC1	C0JBAA000102	IC	1	
IC2	C0JBAZ000525	IC	1	
IC3	TVHC244FT	IC	1	
IC4,C5	TVHC164FT	IC	2	
IC6	TVHC126FT	IC	1	
IC7	TC74VHC32F	IC	1	C0JBAE000081
IC8	C0JBAB000196	IC	1	
IC9	TVHC00FT	IC	1	
IC101,02	C0JBAS000075	IC	2	
IC103	C0ABEB000023	IC	1	
IC104	M62370GP	IC	1	C0FBBD000082
IC105-07	C0ABFB000012	IC	3	
IC201	TVHC126FT	IC	1	
IC202	DS90LV048AC	IC	1	
IC203	TLCX04F	IC	1	
IC204	C0JBAF000224	IC	1	
IC206	DS90LV047AC	IC	1	
IC301	NJM1496V	IC	1	
IC302	UPC1663GV	IC	1	C0ABAB000078
IC303	C0JBAS000075	IC	1	
IC351	UPC1663GV	IC	1	C0ABAB000078
IC401	NJM1496V	IC	1	
IC402	UPC1663GV	IC	1	C0ABAB000078
IC403	C0JBAS000075	IC	1	
IC451	UPC1663GV	IC	1	C0ABAB000078
IC501	NJM1496V	IC	1	
IC502	UPC1663GV	IC	1	C0ABAB000078
IC551	NJM1496V	IC	1	
IC552	UPC1663GV	IC	1	C0ABAB000078
IC601	NJM1496V	IC	1	
IC602	UPC1663GV	IC	1	C0ABAB000078
IC701	UPC1663GV	IC	1	C0ABAB000078
IC731	UPC1663GV	IC	1	C0ABAB000078
IC761	UPC1663GV	IC	1	C0ABAB000078
IC801	MN673798	IC	1	
IC802	C0ABBB000158	IC	1	
IC803	DS90LV047AC	IC	1	
IC804	C0JBAF000315	IC	1	
IC805,06	C0JBAZ000852	IC	2	
IC901	MN673798	IC	1	
IC902	C0ABBB000158	IC	1	
IC904	C0ABFB000012	IC	1	
IC1001	MN673798	IC	1	
IC1002	C0ABBB000158	IC	1	
IC1003	DS90LV047AC	IC	1	
IC1101	MN673798	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1102	C0ABBB000158	IC	1	
IC1201	MN673798	IC	1	
IC1202	C0ABBB000158	IC	1	
IC1203	DS90LV047AC	IC	1	
IC1301	LT1175CS8	IC	1	
IC1303	LT1086CM	IC	1	C0CBAYG00001
IC1304,05	C0CBADD00003	IC	2	
L301	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L302	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L351	VLQ0163J8R2	COIL 8.2UH	1	
L352	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L353	VLQ0163J1R5	COIL 1.5UH	1	
L354	VLQ077168NM	COIL	1	
L401	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L402	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L451	VLQ0163J8R2	COIL 8.2UH	1	
L452	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L453	VLQ0163J1R5	COIL 1.5UH	1	
L454	VLQ077168NM	COIL	1	
L501	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L502	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L551	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L552	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L601	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L602	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L701	VLQ0163J5R6	COIL 5.6UH	1	
L731	VLQ0163J5R6	COIL 5.6UH	1	
L761	VLQ0163J5R6	COIL 5.6UH	1	
L1301-05	VLP0183	COIL	5	J0JKC0000007
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	VJS3791B020	CONNECTOR (FEMALE)	1	
P4	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q1	2SB1218A0L	TRANSISTOR	1	
Q2	2SD1819A-R	TRANSISTOR	1	
Q3	XP0431200L	TRANSISTOR	1	
Q201,02	2SC3930	TRANSISTOR	2	
Q203,04	2SD601A	TRANSISTOR	2	
Q205,06	2SB1218A0L	TRANSISTOR	2	
Q301	XP6534	TRANSISTOR-RESISTOR	1	
Q302	2SC3930	TRANSISTOR	1	
Q303	XP6501	TRANSISTOR-RESISTOR	1	
Q304,05	2SD1979	TRANSISTOR	2	
Q306,07	2SC3930	TRANSISTOR	2	
Q351	XP6534	TRANSISTOR-RESISTOR	1	
Q401	XP6534	TRANSISTOR-RESISTOR	1	
Q402	2SC3930	TRANSISTOR	1	
Q403	XP6501	TRANSISTOR-RESISTOR	1	
Q404,05	2SD1979	TRANSISTOR	2	
Q406,07	2SC3930	TRANSISTOR	2	
Q451	XP6534	TRANSISTOR-RESISTOR	1	
Q501	XP6534	TRANSISTOR-RESISTOR	1	
Q502	2SC3930	TRANSISTOR	1	
Q503	XP6501	TRANSISTOR-RESISTOR	1	
Q504,05	2SD1979	TRANSISTOR	2	
Q506,07	2SC3930	TRANSISTOR	2	
Q551	XP6534	TRANSISTOR-RESISTOR	1	
Q552	2SC3930	TRANSISTOR	1	
Q553	XP6501	TRANSISTOR-RESISTOR	1	
Q554,55	2SD1979	TRANSISTOR	2	
Q556,57	2SC3930	TRANSISTOR	2	
Q601	XP6534	TRANSISTOR-RESISTOR	1	
Q602	2SC3930	TRANSISTOR	1	
Q603	XP6501	TRANSISTOR-RESISTOR	1	
Q604,05	2SD1979	TRANSISTOR	2	
Q606,07	2SC3930	TRANSISTOR	2	
Q701	2SC3930	TRANSISTOR	1	
Q702	2SA153200L	TRANSISTOR	1	
Q703	2SD1979	TRANSISTOR	1	
Q731	2SC3930	TRANSISTOR	1	
Q732	2SA153200L	TRANSISTOR	1	
Q733	2SD1979	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q761	2SC3930	TRANSISTOR	1	
Q762	2SA153200L	TRANSISTOR	1	
Q763	2SD1979	TRANSISTOR	1	
Q801	XP0450100L	TRANSISTOR	1	
Q802	2SD1819A-R	TRANSISTOR	1	
Q803	2SB1218A0L	TRANSISTOR	1	
Q901	XP0450100L	TRANSISTOR	1	
Q1001	XP0450100L	TRANSISTOR	1	
Q1101	XP0450100L	TRANSISTOR	1	
Q1201	XP0450100L	TRANSISTOR	1	
Q1301-03	2SB710A	TRANSISTOR	3	
Q1304-06	2SD602A-R	TRANSISTOR	3	
Q1307	2SD601A	TRANSISTOR	1	
QR351,52	UN5212	TRANSISTOR-RESISTOR	2	
QR1302-04	UNR511100L	TRANSISTOR	3	
QR1305-07	UNR521100L	TRANSISTOR	3	
QR1308-10	UNR511100L	TRANSISTOR	3	
R1-R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4,R5	EXBV8V473J	COMBI.R-R 47K	2	
R6	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7,R8	EXBV8V101J	COMBI.R-R 100	2	
R9	EXBV8V473J	COMBI.R-R 47K	1	
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R11	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R12	EXBV8V473J	COMBI.R-R 47K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R15	EXBV8V473J	COMBI.R-R 47K	1	
R16-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R19,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R22,23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R27-34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R101-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R104,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R106	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108-10	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R112	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R114-26	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	13	
R127,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R129,30	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R131,32	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R133	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R134	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R135	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R136	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R137-39	D0GB123JA002	M.RESISTOR CH 1/16W 12K	3	
R140-42	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R143	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R144	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R145	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R147	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R148-54	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	7	
R155-58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R159,60	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R161,62	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R163,64	D0GB123JA002	M.RESISTOR CH 1/16W 12K	2	
R165	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R166	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R167	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R169-71	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R172	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R173	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R174	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R175-80	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	6	
R181-84	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R202,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R205-07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R208-11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R212,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R214,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R216-18	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R219	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R222-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R225,26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R227,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R229,30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R231,32	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R233,34	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R301,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R303,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R305,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R307	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R311	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R312	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R313	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R314	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R315	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R316	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R317	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R318	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R319,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R321,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R323	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R327	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R328,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R330	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R331	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R333	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R334-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R337	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R351,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R353	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R354	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R355	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R357	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R358	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R359	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R360	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R361	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R362	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R363	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R367	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R370,71	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R405,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R407	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R408	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R409,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R413	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R414	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R415	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R416	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R417	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R418	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R419,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R421,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R423	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R424,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R426	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R427	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R428,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R430	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R433	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R434-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R437	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R451,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R453	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R454	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R456	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R457	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R459	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R460	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R461	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R462	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R464	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R465	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R467	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R470	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R503,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R505,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R507	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R509,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R511	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R512	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R513	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R514	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R515	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R516	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R517	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R518	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R519,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R523	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R527	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R528,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R530	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R533	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R534-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R537	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R551,52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R557	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R558	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R559,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R561	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R562	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R563	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R566	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R567	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R568	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R569,70	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R571,72	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R573	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R574,75	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R576	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R577	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R578,79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R580	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R582	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R583	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R584-86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R587	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R601,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R603,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R605,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R607	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R608	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R609,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R613	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R614	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R615	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R616	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R617	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R618	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R619,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R621,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R623	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R624,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R626	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R627	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R628,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R630	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R632	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R633	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R634-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R701	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R704	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R705	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R707	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R708	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R709	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R710	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R711	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R713	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R731	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R732	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R733	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R734	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R735	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R736	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R737	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R738	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R740	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R741	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R743	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R746	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R747	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R761	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R762	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R763	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R764	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R765	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R766	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R767	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R768	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R769	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R770	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R771	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R772	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R773	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R776	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R777	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R802	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R803	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R805	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R806	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R807	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R811	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R812	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R813	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R818,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R820	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R826	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R827	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R828	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R829	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R832	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R833,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R835	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R836	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R837	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R838	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R839	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R840	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R841	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R842	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R843	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R844	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R845	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R846	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R847	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R848	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R849	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R850	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R851-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R856	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R857	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R858	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R859	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R860	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R861	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R901	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R902	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R903	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R904	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R905	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R906	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R911	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R912	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R920	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R926	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R927	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R928	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R929	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R933,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R935	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R936	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R938	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R950	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R951-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R957	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R959	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R962,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R964	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R965	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1002	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1003	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1004	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1005	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1006	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1007	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1012	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1017	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1018,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R1020	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1026	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1027	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1028	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1029	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1033,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1035	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1036	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1038	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1049	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1050	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1051-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1057	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1059	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1060	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1061	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1102	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1103	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1105	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1106	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1107	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1111	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1112	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1113,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1117	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1120	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1127	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1129	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1133,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1135	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1138	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1150	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1151-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1157	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1159	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1160	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1162,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1164	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1201	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1202	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1203	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1205	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1206	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1207	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1211	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1212	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1213,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1222-24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1226	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1227	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1233,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1238	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1249	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1250	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1251-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1257	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1259	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1260	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1261	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1262,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1264	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1301	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1302	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R1303	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1304-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1307-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	6	
R1319-24	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	6	
R1325-27	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1328-31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R1332,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1334	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
RY1301	VSY2176	RELAY	1	K6B2CDA00045
SW201,02	VJP2536A003	CONNECTOR (MALE)	2	
TG1,G2	VJR0646	TEST POINT	2	D0X0R0000022
TP1-P7	EYF6CU	TEST POINT	7	
TP101-05	EYF6CU	TEST POINT	5	
TP201-05	EYF6CU	TEST POINT	5	
TP302	EYF6CU	TEST POINT	1	
TP304,05	EYF6CU	TEST POINT	2	
TP402	EYF6CU	TEST POINT	1	
TP404,05	EYF6CU	TEST POINT	2	
TP801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	8	
	XYN2+J6	SCREW	2	
	VWZ0212	THERMAL CONDUCTIVE TUBE	5	
	VMP6464	HEAT SINK HOLDER ANGLE A	1	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
	VSC4609	SHIELD CASE	5	
	VJS1990	CONNECTOR (FEMALE)	2	
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3,C4	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C7	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C8,C9	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C10-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C14	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C15,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C17	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C18,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C20	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C21,22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C101,02	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C103,04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C108	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C109	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C110	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C111	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C112	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C113-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C116	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C117	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C171,72	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C173,74	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C176	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C177	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C178	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C179	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C180	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C181	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C182	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C183-90	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C251,52	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C256	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C257	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C258	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C259	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C260	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C261	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C262	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C263-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C266	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C267	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C321,22	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C326	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C327	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C328	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C330	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C332	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C333,34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C339-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C401-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C405-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C409-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C417	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C420	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C431-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C435-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C439-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C447	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C465-68	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C469-75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C477	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C480	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C481	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C482	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C483	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C484	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C501-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C505-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C509-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C517	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C520	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C531-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C535-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C539-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C547	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C561	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C562,63	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C580	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C581	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C582,83	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C601-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C606,07	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C608	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C609,10	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C611-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C616,17	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C618,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C620	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C4002	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4003	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4004	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4005	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4006	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4007	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4008	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4009,10	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4011	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4012	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4013	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4015	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4016,17	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4018	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4019	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4020	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4021	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4022	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4023	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4024	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	F1K2J271A014	C.CAPACITOR CH 10V 270P	1	
C4027	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4028	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4029	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4030,31	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4032	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C4033	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4103,04	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	2	
C4105,06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4107-09	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C4110,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4112	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C4113,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4115	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4116	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4117	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4118	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4119	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C4121	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4122	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4123	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C4124	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4126	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4127	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4128	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4129,30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4131	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4133	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4134	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4136	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4137	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4139	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4140	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4141	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4142	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4201-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C4207,08	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4209,10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4211	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4212	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4213	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4214	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4216	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4217	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4218,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4220	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4301	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4305,06	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C4308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4309,10	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4313	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4314,15	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4316,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4320-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4325-28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4329	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4330	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4334	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4338,39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4343	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C4344,45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4346	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4347	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D101-03	MA152WK	DIODE	3	
D171-73	MA152WK	DIODE	3	
D4001,02	MA142K	DIODE	2	
D4201	MA716	DIODE	1	
D4202	MA157A	DIODE	1	
FL4001	G2A193C00001	COIL	1	
FL4002	VLF1466B223	LINE FILTER	1	
FL4101	VLF1069	FILTER	1	G4ZZ00000278
FL4301-03	VLF1466B223	LINE FILTER	3	
IC1-C3	C0JBAB000541	IC	3	
IC4	TVHC00FT	IC	1	
IC5	C0JBAB000007	IC	1	
IC7-12	TC4S30F	IC	6	C0JBAZ000429
IC101	LT1175CS8	IC	1	
IC251	LT1175CS8	IC	1	
IC401	UPC5102GS030	IC	1	C1ZBZ0001316
IC402	UPC2726T	IC	1	
IC431	UPC5102GS030	IC	1	C1ZBZ0001316
IC432	UPC2726T	IC	1	
IC461	UPC5102GS030	IC	1	C1ZBZ0001316
IC462	UPC2726T	IC	1	
IC501	UPC5102GS030	IC	1	C1ZBZ0001316
IC502	UPC2726T	IC	1	
IC531	UPC5102GS030	IC	1	C1ZBZ0001316
IC532	UPC2726T	IC	1	
IC601,02	C0CBADD00003	IC	2	
IC4001	C0ABBB000124	IC	1	
IC4102	NJM78L09UA	IC	1	C0CBAHC00002
IC4103	C0JBAR000379	IC	1	
IC4104	TA75W558FU	IC	1	C0ABBA000042
IC4105	THC4052FT	IC	1	
IC4106	C1BB00000746	IC	1	
IC4107	C0JBAB000350	IC	1	
IC4108,09	TA75W558FU	IC	2	C0ABBA000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4203	C0DBZGH00001	IC	1	
IC4204	NJM79L05UA	IC	1	C0CBBDC00001
IC4205	TVHC244FT	IC	1	
IC4206	C0CBABC00049	IC	1	
IC4207	C0FBZH000011	IC	1	
IC4209	TA75W558FU	IC	1	C0ABBA000042
IC4302,03	TA75W558FU	IC	2	C0ABBA000042
IC4308	C0JBAR000379	IC	1	
IC4309	TA75W558FU	IC	1	C0ABBA000042
IC4313	TVHT244FT	IC	1	
L101,02	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L171,72	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L251,52	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L321,22	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L401	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L461	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L501	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L560,61	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L580,81	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L601-05	VLP0183	COIL	5	J0JKC0000007
L4001	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L4002	VLQ0423J472	COIL 4700UH	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1	VJP4064L140	CONNECTOR (MALE)	1	K1KBE0B00003
P2	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P3	VJS3900A024	CONNECTOR (FEMALE)	1	
P4	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P4001	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q1	2SA153200L	TRANSISTOR	1	
Q2	XP0431200L	TRANSISTOR	1	
Q3	XP0460100L	TRANSISTOR	1	
Q4,Q5	2SA153200L	TRANSISTOR	2	
Q6	XP0431200L	TRANSISTOR	1	
Q7-Q9	2SA153200L	TRANSISTOR	3	
Q101,02	2SC3935	TRANSISTOR	2	
Q103	XP4506	TRANSISTOR-RESISTOR	1	
Q104	2SC3935	TRANSISTOR	1	
Q106	2SC4536	TRANSISTOR	1	
Q107	2SA153200L	TRANSISTOR	1	
Q108	XP0150400L	TRANSISTOR	1	
Q109	2SK508K512	TRANSISTOR	1	
Q110	2SC4536	TRANSISTOR	1	
Q111	2SA153200L	TRANSISTOR	1	
Q112	XP0150400L	TRANSISTOR	1	
Q113	2SK508K512	TRANSISTOR	1	
Q114	2SC4536	TRANSISTOR	1	
Q116	2SC4536	TRANSISTOR	1	
Q117	2SC3935	TRANSISTOR	1	
Q171,72	2SC3935	TRANSISTOR	2	
Q173	XP4506	TRANSISTOR-RESISTOR	1	
Q174	2SC3935	TRANSISTOR	1	
Q176	2SC4536	TRANSISTOR	1	
Q177	2SA153200L	TRANSISTOR	1	
Q178	XP0150400L	TRANSISTOR	1	
Q179	2SK508K512	TRANSISTOR	1	
Q180	2SC4536	TRANSISTOR	1	
Q181	2SA153200L	TRANSISTOR	1	
Q182	XP0150400L	TRANSISTOR	1	
Q183	2SK508K512	TRANSISTOR	1	
Q184	2SC4536	TRANSISTOR	1	
Q186	2SC4536	TRANSISTOR	1	
Q187	2SC3935	TRANSISTOR	1	
Q251,52	2SC3935	TRANSISTOR	2	
Q254	2SC3935	TRANSISTOR	1	
Q256	2SC4536	TRANSISTOR	1	
Q257	2SA153200L	TRANSISTOR	1	
Q259	2SK508K512	TRANSISTOR	1	
Q260	2SC4536	TRANSISTOR	1	
Q261	2SA153200L	TRANSISTOR	1	
Q263	2SK508K512	TRANSISTOR	1	
Q264	2SC4536	TRANSISTOR	1	
Q266	2SC4536	TRANSISTOR	1	
Q267	2SC3935	TRANSISTOR	1	
Q321,22	2SC3935	TRANSISTOR	2	
Q324	2SC3935	TRANSISTOR	1	
Q326	2SC4536	TRANSISTOR	1	
Q327	2SA153200L	TRANSISTOR	1	
Q329	2SK508K512	TRANSISTOR	1	
Q330	2SC4536	TRANSISTOR	1	
Q331	2SA153200L	TRANSISTOR	1	
Q333	2SK508K512	TRANSISTOR	1	
Q334	2SC4536	TRANSISTOR	1	
Q336	2SC4536	TRANSISTOR	1	
Q337	2SC3935	TRANSISTOR	1	
Q401,02	XP4506	TRANSISTOR-RESISTOR	2	
Q403	XP6534	TRANSISTOR-RESISTOR	1	
Q405	XP6534	TRANSISTOR-RESISTOR	1	
Q431	XP4506	TRANSISTOR-RESISTOR	1	
Q435	XP6534	TRANSISTOR-RESISTOR	1	
Q461,62	XP4506	TRANSISTOR-RESISTOR	2	
Q463	XP6534	TRANSISTOR-RESISTOR	1	
Q464	XP0150400L	TRANSISTOR	1	
Q465	XP6534	TRANSISTOR-RESISTOR	1	
Q501,02	XP4506	TRANSISTOR-RESISTOR	2	
Q503	XP6534	TRANSISTOR-RESISTOR	1	
Q505	XP6534	TRANSISTOR-RESISTOR	1	
Q531	XP4506	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q535	XP6534	TRANSISTOR-RESISTOR	1	
Q560,61	2SC3735	TRANSISTOR	2	
Q580,81	2SC3735	TRANSISTOR	2	
Q601,02	2SB710A	TRANSISTOR	2	
Q4001	2SB779-R	TRANSISTOR	1	
Q4002	2SD1819A-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4004	2SB779-R	TRANSISTOR	1	
Q4005	2SD1819A-R	TRANSISTOR	1	
Q4006	2SD874-R	TRANSISTOR	1	
Q4007	2SD1979	TRANSISTOR	1	
Q4008	2SB792-R	TRANSISTOR	1	
Q4009,10	2SD1149-R	TRANSISTOR	2	
Q4011,12	2SD1979	TRANSISTOR	2	
Q4201	2SD1979	TRANSISTOR	1	
QR601,02	UNR521100L	TRANSISTOR	2	
QR4001,02	UNR511300L	TRANSISTOR	2	
QR4003	UNR521300L	TRANSISTOR	1	
QR4004	UNR511300L	TRANSISTOR	1	
QR4005,06	UNR521300L	TRANSISTOR	2	
QR4007	UNR511300L	TRANSISTOR	1	
QR4201	UNR521300L	TRANSISTOR	1	
QR4202	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	EXBV8V473J	COMBI.R-R 47K	1	
R3,R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	EXBV8V473J	COMBI.R-R 47K	1	
R7-42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	36	D0GB103JA002
R101,02	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R103	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R104	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R105,06	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R107-09	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R110,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R112,13	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R114-17	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R118,19	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R121	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R124	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R126	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R127	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R128	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R129	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R130	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R131	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R132	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R133	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R135	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R136	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R137	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R138	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R141	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R142	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R143	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R145	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R146	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R149,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R171,72	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R173	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R174	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R175,76	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R177-79	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R180,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R182,83	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R184-87	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R188,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R191	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R192	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R194	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R195	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R196	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R197	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R198	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R199	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R200	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R201	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R203	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R204	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R205	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R206	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R207	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R208	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R210	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R211	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R212	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R213	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R215	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R255,56	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R257,58	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R260,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R262,63	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R268,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R270,71	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R272	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R273	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R274	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R275	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R276	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R277	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R279	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R280	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R281	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R282	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R283	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R284	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R285	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R287	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R288	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R289	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R290	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R291	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R292	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R293,94	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R295	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R296	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R299,00	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R323	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R325,26	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R327,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R330,31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R332,33	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R338,39	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R340,41	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R342	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R343	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R344	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R345	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R346	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R347	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R349	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R350	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R351	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R353	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R354	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R355	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R357	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R358	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R359	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R361	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R362	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R363,64	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R365	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R369,70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R408,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R410,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R412,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R414	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R417,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R419,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R421,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R423,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R425,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R431,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R433-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R437	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R438,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R440,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R442,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R444	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R447,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R449,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R451,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R453,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R455,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461,62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R463-66	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468,69	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R470,71	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R472,73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R474	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R477,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R479,80	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R481,82	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R483,84	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R485,86	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R487	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R488,89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R490,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R501,02	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R503-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R510,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R512,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R517,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R519,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R521,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R523,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R525,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R527	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R528,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R531,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R533-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R538,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R540,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R542,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R544	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R547,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R549,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R551,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R560	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R561	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R562	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R563	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R580	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R581	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R582	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R583	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R584	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R585	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R601,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R605,06	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4004	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4006	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4007	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4008	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4009	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4011	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4012	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4013	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4014	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4015	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4016	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4017	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4024	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4025	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4026	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4027	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4028	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4029	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4030	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4031	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4032	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R4033	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4034	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4035	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4036	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4037,38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4039	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4040	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4041	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4042,43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4044	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4045	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4048	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4049	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4101,02	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R4103	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4105	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R4109	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4111	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4113	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4116	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4117	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4119,20	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4121	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4122-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4125	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4126	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4128	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4129	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4130	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4131	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4132	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4135	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4136	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4137	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4138	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4140	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4201	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4202	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4203	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4208	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4209	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4210	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4211	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4212	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4213	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4306	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4307	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4309	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4310	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4312	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4315	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4316	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4319,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4322	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4324	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4330	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4332	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4335	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4340	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4344	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4346	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
T4001,02	VLT0729	TRANSFORMER	2	G4ZZ00000358
TG1	VJR0646	TEST POINT	1	D0X0R0000022
TG4005	EYF6CU	TEST POINT	1	
TG4101	EYF6CU	TEST POINT	1	
TG4203	EYF6CU	TEST POINT	1	
TP1,P2	EYF6CU	TEST POINT	2	
TP4001-04	EYF6CU	TEST POINT	4	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201,02	EYF6CU	TEST POINT	2	
VR4001	VRV0161B503	V.RESISTOR 50K	1	
VR4002	VRV0161B103	V.RESISTOR 10K	1	
VR4103	VRV0161B503	V.RESISTOR 50K	1	
VR4301,02	VRV0161B502	V.RESISTOR 5K	2	
VR4305,06	VRV0161B103	V.RESISTOR 10K	2	
		MISCELLANEOUS		

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP7961	RF PB MOUNT ANGLE	2	
	VSC5040	HEAD BUFF SHIELD (UPPER)	1	
	VSC5041	HEAD BUFF SHIELD (MIDDLE)	1	
	VSC5042	P.C.BOARD SHIELD (LOWER)	1	
	XTV3+6FFR	SCREW	2	
	XYN2+J6	SCREW	2	
	VSC5583	EARTH HOLDER ANGLE	1	
	XSN26+3	SCREW	1	
	VMZ3026	SHIELD PROTECT SHEET	1	
	VEE9862	EARTH CABLE	1	
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
C4002-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4006,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4051-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C4101-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4106	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4107-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4112	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4113	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4151	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4152	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4153	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4154	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4155	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4156	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4157-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4160,61	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4164-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4170,71	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4172-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4178-86	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4187	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4188-90	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4191	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4193-95	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4196,97	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4198,99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4201-04	ECQV1H105JL	P.CAPACITOR 50V 1U	4	
C4213,14	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4215-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4219,20	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4221-24	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4225,26	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4227,28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4229-32	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	4	
C4233-42	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4243,44	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4245-48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4249	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4250-53	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4254,55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4256	F2H0J4700003	E.CAPACITOR 6.3V 47U	1	
C4265-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4269-72	ECHU1C472JB	P.CAPACITOR 16V 4700P	4	
C4273-80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4281-84	EEVHP0J100	E.CAPACITOR 6.3V 10U	4	
C4401-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4405-08	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4409-12	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4414,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4417,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4420,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4423,24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4425-28	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	4	
C4429-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4433,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4435	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4437	EEVHB1C220	E.CAPACITOR 16V 22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4439	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4440	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4441	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4442	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4443,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4445,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4447,48	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4449-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4453-56	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4457	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4458-65	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4466-69	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4601	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4602,03	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4608,09	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4613-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4617,18	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4619,20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4621,22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4623	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4624,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4626,27	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4628	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4630,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4632	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4633,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4635,36	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4637	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4801,02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4803,04	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4805,06	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4807,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4809,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4811,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4813,14	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4815,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4817	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4818,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4820	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4821	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4823	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4825	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4827,28	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4829-32	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4833-36	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4837,38	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C4839,40	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4841,42	D4ED1220A006	VARISTOR	2	
D4201-03	MA716	DIODE	3	
D4601	MA716	DIODE	1	
D4602	MA147	DIODE	1	
D4603	MA716	DIODE	1	
D4604-06	MA142WK	DIODE	3	
D4607	MA716	DIODE	1	
D4608,09	MA142WA	DIODE	2	
FL4101	VLF1466B223	LINE FILTER	1	
IC4003	TVHC244FT	IC	1	
IC4004	C1ZBZ0001555	IC	1	
IC4006	C0EBE0000236	IC	1	
IC4007	C1ZBZ0002372	IC	1	
IC4008	TVHT244FT	IC	1	
IC4057-59	TVHT244FT	IC	3	
IC4060,61	TVHC244FT	IC	2	
IC4105,06	SN74S1051NS	IC	2	
IC4109-11	C0JBAZ000852	IC	3	
IC4112	TLCX245FT	IC	1	
IC4114-16	TVHT244FT	IC	3	
IC4151,52	C0JBAB000422	IC	2	
IC4155	TVHT244FT	IC	1	
IC4156	C0CBADD00003	IC	1	
IC4158	TLCX245FT	IC	1	
IC4160	MC74HC4046AF	IC	1	C0JBAZ000153

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4163	C5AB00000006	IC	1	
IC4164	C0ABHA000020	IC	1	
IC4166	TLCX245FT	IC	1	
IC4167	TVHC244FT	IC	1	
IC4169,70	C5AB00000006	IC	2	
IC4171	C3ABQG000045	IC	1	
IC4172	C5AB00000006	IC	1	
IC4173	TVHC244FT	IC	1	
IC4174,75	C0ZBZ0000830	IC	2	
IC4205-08	TA75W558FU	IC	4	C0ABBA000042
IC4209	XC62AP5002M	IC	1	C0CBADD00005
IC4210	XC62DN5002M	IC	1	
IC4211-14	THC4052FT	IC	4	
IC4219	XC62AP5002M	IC	1	C0CBADD00005
IC4220	XC62DN5002M	IC	1	
IC4221-24	C0FBBG000033	IC	4	
IC4225-28	TA75W558FU	IC	4	C0ABBA000042
IC4229-32	THC4052FT	IC	4	
IC4233	XC62AP5002M	IC	1	C0CBADD00005
IC4242-45	TA75W558FU	IC	4	C0ABBA000042
IC4401-04	C0ABBB000184	IC	4	
IC4409,10	C0FBZK000006	IC	2	
IC4411	C0CBABE00013	IC	1	
IC4412-15	C0ABBB000184	IC	4	
IC4420-23	THC4052FT	IC	4	
IC4601,02	C0JBAR000379	IC	2	
IC4603	TA75W558FU	IC	1	C0ABBA000042
IC4606,07	TC4W53FU	IC	2	
IC4613	TA75W558FU	IC	1	C0ABBA000042
IC4615	TA75W558FU	IC	1	C0ABBA000042
IC4617	TA75W558FU	IC	1	C0ABBA000042
IC4618	THC4052FT	IC	1	
IC4620	THC4052FT	IC	1	
IC4622	TA75W558FU	IC	1	C0ABBA000042
IC4624	THC4052FT	IC	1	
IC4626	THC4052FT	IC	1	
IC4632,33	C0JBAR000379	IC	2	
IC4636	XC62AP5002M	IC	1	C0CBADD00005
IC4637	XC62DN5002M	IC	1	
IC4639	TA75W558FU	IC	1	C0ABBA000042
IC4640	XC62AP5002M	IC	1	C0CBADD00005
IC4641	XC62DN5002M	IC	1	
IC4642	TA75W558FU	IC	1	C0ABBA000042
IC4644	XC62AP5002M	IC	1	C0CBADD00005
IC4645	XC62DN5002M	IC	1	
IC4646	THC4052FT	IC	1	
IC4801	TA75W558FU	IC	1	C0ABBA000042
IC4805	C1BB00000360	IC	1	
IC4806,07	NJM4556AM	IC	2	C0ABBB000042
ID0	VVVSI4283A	SOFTWARE	1	DOWNLOAD ONLY
L4151,52	VLF1151A132	COIL	2	
P4001	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P4002	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4201-04	2SD1979	TRANSISTOR	4	
Q4601-04	2SB1219A-R	TRANSISTOR	4	
Q4801	2SD602A-R	TRANSISTOR	1	
Q4802	2SB710A-RS	TRANSISTOR	1	
Q4803,04	2SD1979	TRANSISTOR	2	
Q4805,06	2SD1328	TRANSISTOR	2	
QR4201-04	UNR521300L	TRANSISTOR	4	
QR4205-08	UNR511300L	TRANSISTOR	4	
QR4601,02	UNR521300L	TRANSISTOR	2	
R4003	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4005-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4012	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4013	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4016	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4021	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
R4026	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4032	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4051	EXBV8V102J	COMBI.R-R 1K	1	
R4052	D1H833040002	COMBI.R-R 33	1	
R4053	EXBV8V102J	COMBI.R-R 1K	1	
R4054,55	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4056	D1H833040002	COMBI.R-R 33	1	
R4057-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R4062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4063	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4064	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R4065	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4066	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4067-73	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R4101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R4104,05	D1H847240002	COMBI.R-R 4.7K	2	
R4112-14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4151	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4152	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4159	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4162	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4163,64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4166	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4169,70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4172	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4173,74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4175	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4176	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4178	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4179-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4201-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4205-08	ERJ3GEYJ114	M.RESISTOR CH 1/16W 110K	4	
R4209-12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4213-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4217-20	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4221	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4223	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4224	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4225	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4226	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4228	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4229	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4230	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4231	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4232	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4233	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4234	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4235	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4236	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4237	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4238	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4239	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4240	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4241	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4242	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4243	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4244	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4245	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4246	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4247	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4248	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4249-52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	4	
R4253	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4255	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4257	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4258	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4259	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4260	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4261	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4262	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4263	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4264	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4265	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4266	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4267	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4268	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4269	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4270	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4271	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4272	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4273	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4274	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4275	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4276	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4277	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4278	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4279	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4280	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4281-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4285-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4289,90	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4291-94	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R4295-98	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	4	
R4299-02	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	4	
R4303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4307	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4308	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4309	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4311	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4313	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4314	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4315	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4316	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4318	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4319-22	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4323-26	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4327-30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4331-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4335-38	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R4401-12	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4413-16	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4417-24	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4425-32	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4433,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4435,36	D1H84704A008	COMBI.R-R 47	2	
R4437,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4439,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4441,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4444	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4445	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4446-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4450	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4452	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4453	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4458-69	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4470-77	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4478-86	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4487	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4488	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4489	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4490	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4491	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4492	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4493	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4494	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4495	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4496	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4497	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4498	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4499	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4500	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4501	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4502	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4503	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4504	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4505	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4506	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4507	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4508	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4509	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4510	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4511	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4512	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4513	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4601	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4602-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R4612	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4613	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4617,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4619	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4620-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4624	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4626	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4628,29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4636	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4637	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4638	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4639	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4640	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4641	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4642	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4643	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4646,47	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	2	
R4648	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4649	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4650	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4651	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4652	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4653	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4654	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4655	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4656	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4657	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4658	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4659	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4660	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4661	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4662,63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4667	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4668	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4669	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4670	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4671	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4672	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4675-78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4679,80	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4681-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4685,86	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4687	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4688,89	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R4690	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4692	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4694	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4695	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4696	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4697	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4698,99	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4700	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4701	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4704	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4708,09	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4710	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4712-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4803,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4805,06	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4807,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4809	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4811-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4814	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4815	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R4818,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4823	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4825,26	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R4829,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4831,32	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R4833,34	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4835,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4837,38	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R4839,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4841	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4842	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4843	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4844	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4845,46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4847,48	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4849	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4851	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4852	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4853-58	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
TG4155-57	EYF6CU	TEST POINT	3	
TG4201	EYF6CU	TEST POINT	1	
TG4401,02	EYF6CU	TEST POINT	2	
TG4601	EYF6CU	TEST POINT	1	
TP4001-04	EYF6CU	TEST POINT	4	
TP4055,56	EYF6CU	TEST POINT	2	
TP4151-53	EYF6CU	TEST POINT	3	
TP4602-07	EYF6CU	TEST POINT	6	
VR4201-04	VRV0161B103	V.RESISTOR 10K	4	
VR4401-04	VRV0161B502	V.RESISTOR 5K	4	
X4151	VSX0519	CRYSTAL OSCILLATOR	1	H0D160500011
X4152	H4G2455B0005	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4001	ECA1CHG221	E.CAPACITOR 16V 220U	1	
C4101,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4103,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4105,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4107,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4109,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4111-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4119,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4121,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4123-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4201,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4203,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4205,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4207,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4209,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4211-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4219,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4221,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4223-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4300-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4304,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4306-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4310,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4312-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4316-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4320-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4326-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4330,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
C4400-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4404,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4406-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4410,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4412-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4416-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4420-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4426-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4430,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
D4300,01	MA152WA	DIODE	2	
D4302,03	MA152WK	DIODE	2	
D4304	MA716	DIODE	1	
D4400,01	MA152WA	DIODE	2	
D4402,03	MA152WK	DIODE	2	
D4404	MA716	DIODE	1	
IC4101	TA75W558FU	IC	1	C0ABBA000042
IC4102	NJM4556AM	IC	1	C0ABBB000042
IC4103	TA75W558FU	IC	1	C0ABBA000042
IC4104	NJM4556AM	IC	1	C0ABBB000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4202	NJM4556AM	IC	1	C0ABBB000042
IC4203	TA75W558FU	IC	1	C0ABBA000042
IC4204	NJM4556AM	IC	1	C0ABBB000042
IC4300,01	AQV212SX	IC	2	K6G1AKB00012
IC4302,03	K6G4AKB00004	IC	2	
IC4304	XC62AP5002M	IC	1	C0CBADD00005
IC4305,06	NJM2122M	IC	2	
IC4307,08	TA75W558FU	IC	2	C0ABBA000042
IC4309	XC62DN5002M	IC	1	
IC4400,01	AQV212SX	IC	2	K6G1AKB00012
IC4402,03	K6G4AKB00004	IC	2	
IC4404	XC62AP5002M	IC	1	C0CBADD00005
IC4405,06	NJM2122M	IC	2	
IC4407,08	TA75W558FU	IC	2	C0ABBA000042
IC4409	XC62DN5002M	IC	1	
P4101	VJS3421A020	CONNECTOR (FEMALE)	1	K1MN20A00027
P4102	VJP3600F030K	CONNECTOR (MALE)	1	
P4103	K1KA03A00017	CONNECTOR (MALE)	1	
P4301	VJP3600F030K	CONNECTOR (MALE)	1	
P4303	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
Q4101	2SD602A-R	TRANSISTOR	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4102	2SB710A-RS	TRANSISTOR	1	
Q4103-06	2SD1328	TRANSISTOR	4	
Q4201	2SD602A-R	TRANSISTOR	1	
Q4202	2SB710A-RS	TRANSISTOR	1	
Q4203-06	2SD1328	TRANSISTOR	4	
QR4300-09	UNR521300L	TRANSISTOR	10	
QR4400-09	UNR521300L	TRANSISTOR	10	
R4001-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R4031	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4101,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4105,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4107,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4109,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4111-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4119-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4123,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4125-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4131-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4135-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4141-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4145,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4201,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4205,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4207,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4209,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4211-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4219-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4223,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4225-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4231-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4235-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4241-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4303	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4304,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4306,07	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4308	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4310	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4312,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4314-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4322-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	
R4326	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4328	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4330,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4332-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4336	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4337	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4338	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4339	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4340,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4342-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4346-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4350-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4356,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4358,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4362,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4364,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4366-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
R4401	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4403	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4404,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4406	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4407	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4408	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4409	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4412,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4414-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4422-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4426	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4428	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4429	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4430,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4432-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4436	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4437	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4438	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4439	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4440,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4442-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4446-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4450-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4456,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4458,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4462,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4464,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4466-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
VR4101,02	EVM7JGA00B52	V.RESISTOR 500	2	
VR4201,02	EVM7JGA00B52	V.RESISTOR 500	2	
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
C4	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C9	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C13	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C18,19	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C21,22	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C23	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302-04	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C305-09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C310-12	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C313	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C314	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C315-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C400	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C401	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C403	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C404	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C405-07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C502,03	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	2	
C504,05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C506,07	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C508,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C510,11	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C512,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C514,15	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C518,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C520	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C521	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C522	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C523	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C524	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C525	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C526	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C527	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C528,29	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C530,31	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C532,33	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C534,35	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C536,37	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C538,39	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C540,41	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C542,43	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C544,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C546,47	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C600,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C602	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C603,04	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C606	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C607	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C608	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C609	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C610	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C611	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C612	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C613	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C614	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C615	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C616	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C703	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C704	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C705,06	EEVHB1C220	E.CAPACITOR 16V 22U	2	
D1	MA147	DIODE	1	
D300	MA2Q73800L	DIODE	1	
D301	MA8075-M	DIODE	1	
D400	MA142K	DIODE	1	
D401-03	MA2Q73800L	DIODE	3	
D500-11	MA2Q73800L	DIODE	12	
D512,13	MA147	DIODE	2	
D700,01	MA147	DIODE	2	
IC2	C0ABBB000179	IC	1	
IC3	0P177GS	IC	1	
IC4	C0ABBB000179	IC	1	
IC5	0P177GS	IC	1	
IC6	C0ABBB000179	IC	1	
IC7	C0ABBB000184	IC	1	
IC8	C0ABBB000179	IC	1	
IC14	C0JBAZ000994	IC	1	
IC15	UPC4741G2	IC	1	
IC18	C0ABBB000184	IC	1	
IC19	C0BBBA000044	IC	1	
IC300	C0ABBA000075	IC	1	
IC301	BA6238A	IC	1	C0GAK0000007
IC302-04	C0JBAZ000608	IC	3	
IC305	BA6238A	IC	1	C0GAK0000007
IC306,07	C0JBAQ000080	IC	2	
IC400	C0JBAM000052	IC	1	
IC401	C0BBBA000044	IC	1	
IC500	C0BBBA000044	IC	1	
IC501,02	AN3834S	IC	2	
IC503	C0ABBB000179	IC	1	
IC703	C0JBAZ000994	IC	1	
IC2254	TC4538BF	IC	1	
J400-03	K4CD01000007	CABLE TERMINAL	4	
L300-04	VLF1151A132	COIL	5	
P300	K1KAA0A00120	CONNECTOR (MALE)	1	
P400	VJS3801D015	CONNECTOR (FEMALE)	1	
P401,02	VJP3172D005	CONNECTOR (MALE)	2	K1KA05B00053
P403	K1KA02B00075	CONNECTOR (MALE)	1	
P404	K1KA03B00102	CONNECTOR (MALE)	1	
P405,06	K1KA02B00075	CONNECTOR (MALE)	2	
P407	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P408	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P409	K1KA03B00102	CONNECTOR (MALE)	1	
P410	K1KA02B00075	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P411	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P412	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P413	K1KA06A00031	CONNECTOR (MALE)	1	
P414	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P415,16	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P417,18	VJP3172D004	CONNECTOR (MALE)	2	K1KA04B00007
P419	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P420	VJS3422B015	CONNECTOR (FEMALE)	1	
P421	VJS3422B019	CONNECTOR (FEMALE)	1	
P422,23	VJP3172D002	CONNECTOR (MALE)	2	K1KA02B00051
Q1	2SB1218A-R	TRANSISTOR	1	
Q100-07	B1DZED000002	TRANSISTOR	8	
Q300	2SD601A	TRANSISTOR	1	
Q301	2SB936A-Q	TRANSISTOR	1	
Q400,01	2SB766	TRANSISTOR	2	
Q500-05	2SD1624-S	TRANSISTOR	6	
Q700	2SD601A	TRANSISTOR	1	
Q701,02	2SB0709A0L	TRANSISTOR	2	
Q703	2SD601A	TRANSISTOR	1	
Q704	2SB0709A0L	TRANSISTOR	1	
Q705	2SD601A	TRANSISTOR	1	
QR100-11	UNR521300L	TRANSISTOR	12	
QR400,01	UNR521400L	TRANSISTOR-RESISTOR	2	
QR500-03	UN5215	TRANSISTOR-RESISTOR	4	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UNR511300L	TRANSISTOR	1	
QR702	UN5215	TRANSISTOR-RESISTOR	1	
QR703	UNR511500L	TRANSISTOR	1	
R3,R4	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R7	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R10	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R11,12	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R13	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R15	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R16	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R18	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R19	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R20	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R21	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R22	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R24	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R25	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R26	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R27	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R28	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R30	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R31	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R32	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R33	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R100-03	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R104-06	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R107,08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R109	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R110,11	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R112-15	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R300	EXBV8V473J	COMBI.R-R 47K	1	
R301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R302	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R303	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R304	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R305	EXBV8V473J	COMBI.R-R 47K	1	
R306	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R307,08	EXBV8V473J	COMBI.R-R 47K	2	
R309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R310-12	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	3	
R313	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R314	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R315-17	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R318-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R351	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R400	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R401	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R402	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R405	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R406	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R407	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R409	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R410	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R411	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R413	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R414-17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R418	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R421,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R504	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R505	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R506,07	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R508	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R510	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R511	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R512	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R513,14	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R515-18	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	4	
R519-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	4	
R523,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R525-28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R529	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R530	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R531	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R532-34	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	3	
R535-38	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R539,40	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R600	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R601	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R602	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R603,04	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R606,07	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R610	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R611	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R612	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R613	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R614,15	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R616	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R618	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R619	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R620	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R621	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R622	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R623	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R624	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R700-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R704,05	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R706	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R707	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R708,09	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R710	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
VR1	EVM7JGA00B24	V.RESISTOR 20K	1	
VR2	EVM7JGA00B54	V.RESISTOR 50K	1	
VR400,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E10	VEP81203E	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203E
⚠ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1002,03	F1BAH1020010	C.CAPACITOR 1000P	2	
⚠ C1004	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1005	VCK0262M222A	C.CAPACITOR 2200P	1	F1BAH2220002
C1006	EEUFC1H101	E.CAPACITOR 50V 100U	1	
C1007	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1010	VCK0106K221	C.CAPACITOR 220P	1	
C1013	ECEC2WB151DB	E.CAPACITOR 450V 150U	1	
C1014	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1015	ECQE2W105KC	P.CAPACITOR 450V 1U	1	
⚠ C1016	ECQU2A154ML	P.CAPACITOR 100V 0.15U	1	
C1017	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1102	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	
C1103	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1106	ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1107	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1108	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1110	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1111-13	EEUFC1E182	E.CAPACITOR 25V 1800U	3	
C1114,15	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	2	
C1118	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1901	ECA1HXL100	E.CAPACITOR 50V 10U	1	FOR VEP81233A
C1902	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1903	ECJ2VC1H221J	C.CAPACITOR CH 50V 220P	1	FOR VEP81233A
C1904	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	FOR VEP81233A
C1905	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1906	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1908	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1909	ECA1HXL010	E.CAPACITOR 50V 1U	1	FOR VEP81233A
C1910	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025 FOR VEP81233A
C1912	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	FOR VEP81233A
C1913	ECUX1H682KBN	C.CAPACITOR CH 50V 6800P	1	FOR VEP81233A
C1914	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1915	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	FOR VEP81233A
C1916	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1917	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1921,22	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	F1J1H103A010 FOR VEP81233A
C1923	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1924	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	FOR VEP81233A
D1001	SFPL-52	DIODE	1	
D1002	RBV606	DIODE	1	
D1003,04	SFPL-52	DIODE	2	
D1005	FML-G26S	DIODE	1	
D1006-09	MA3100-M	DIODE	4	
D1101	MA3270-M	DIODE	1	
D1103	SFPL-52	DIODE	1	
D1104	AP01C	DIODE	1	B0HADV000010
D1105	SFPL-52	DIODE	1	
D1106	D20LC20U	DIODE	1	B0HBSM000021
D1107	U1GU44	DIODE	1	
D1108	SFPL-52	DIODE	1	
D1109	MA3200-M	DIODE	1	
D1110,11	MA152K	DIODE	2	
D1112	MA3068-M	DIODE	1	
D1901,02	MA3200-M	DIODE	2	FOR VEP81233A
D1903	MA3100-M	DIODE	1	FOR VEP81233A
D1904	MA152K	DIODE	1	FOR VEP81233A
D1905	MA152WA	DIODE	1	FOR VEP81233A
D1906	MA3270-M	DIODE	1	FOR VEP81233A
D1907	MA3051-M	DIODE	1	MAZ30510ML FOR VEP81233A
D1908	MA3068-M	DIODE	1	FOR VEP81233A
D1911	MA3068-M	DIODE	1	FOR VEP81233A
D1914	MA152K	DIODE	1	FOR VEP81233A
⚠ F1001	VSF0246	FUSE	1	
IC1101	AN1431M	IC	1	
IC1901	M51951BL	IC	1	C0EAH0000030 FOR VEP81233A
IC1902	MC33262P	IC	1	C0DAZZZ00013 FOR VEP81233A
IC1903	FA5311BP	IC	1	C0DAAZZ00002 FOR VEP81233A

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J1002	VWJ0121	CABLE	1	
J1004	VWJ0121	CABLE	1	
J1101,02	VWJ0121	CABLE	2	
L1002	VLQ0861	COIL	1	
⚠ L1003,04	ELF20N015A	COIL	2	
L1007	VLP0083	COIL	1	J0JKB0000011
L1101,02	VLP0083	COIL	2	J0JKB0000011
L1106-08	VLP0336	FERRITE CORE	3	
P1001	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
P1002,03	VJP3878	CONNECTOR (MALE)	2	K1KA02B00137
P1004,05	VJP3042G003W	CONNECTOR (MALE)	2	K1KA03A00157
P1006	VJP3042G017W	CONNECTOR (MALE)	1	K1KA17A00011
P1007	VJP1149	CONNECTOR (MALE)	1	K1KA03B00084
P1101	K1KA06A00262	CONNECTOR	1	
P1901,02	VJS3042B003W	CONNECTOR (FEMALE)	2	K1KB03B00007 FOR VEP81233A
P1903	VJS3042B017W	CONNECTOR (FEMALE) 17P	1	K1KB17B00005 FOR VEP81233A
⚠ PC1101,02	B3QAZ0000030	PHOTO COUPLER	2	
Q1001	AC08FGM	DIODE	1	B2BAJR000001
⚠ Q1002	2SK1941-01R	TRANSISTOR	1	B1DEGR000002
⚠ Q1101	2SK2677-4112	TRANSISTOR	1	B1BAGU000002
Q1102	2SD601A-R	TRANSISTOR	1	
Q1103	2SB0709ALL	TRANSISTOR	1	
Q1901	XN1501	TRANSISTOR-RESISTOR	1	FOR VEP81233A
Q1903	2SJ278	TRANSISTOR	1	FOR VEP81233A
QR1901	UN2111	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1902	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1904	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1905	UN2113	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1906	UNR211200L	TRANSISTOR	1	FOR VEP81233A
QR1907	UNR221300L	TRANSISTOR	1	FOR VEP81233A
⚠ R1001	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
R1002-05	ERJ12YJ473	M.RESISTOR CH 1/2W 47K	4	
R1006	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
⚠ R1007	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1009	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1010,11	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	2	
R1012	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1013	ERX2SJR22	M.RESISTOR 2W 0.22	1	
R1014	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1017	ERG2SJ220	M.RESISTOR 2W 22	1	
R1018	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1019	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	1	
R1020	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1021	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1023	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
R1024	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1025	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1026	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1101	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1102	ERX2SJR33	M.RESISTOR 2W 0.33	1	
R1104	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1105	ERJ12YJ680	M.RESISTOR CH 1/2W 68	1	
R1108	ERG2SJ104	M.RESISTOR 2W 100K	1	
R1109	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1110	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1111	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1112	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1114	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1115,16	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1117	ERJ6RBD622	M.RESISTOR CH 1/10W 6.2K	1	
R1118	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R1119,20	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1121	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1122	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1123	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1124	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1125	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1127	ERG2SJ104	M.RESISTOR 2W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1901,02	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	FOR VEP81233A
R1903	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1904	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	FOR VEP81233A
R1905-07	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	FOR VEP81233A
R1908	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	FOR VEP81233A
R1909	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1910	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	FOR VEP81233A
R1911	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	FOR VEP81233A
R1912,13	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	FOR VEP81233A
R1915	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1916	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	FOR VEP81233A
R1917	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	FOR VEP81233A
R1919	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1920,21	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	2	FOR VEP81233A
R1923	ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	D0GD225JA003 FOR VEP81233A
R1925	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	FOR VEP81233A
R1926-28	ERE050CHD1503	M.RESISTOR 150K	3	FOR VEP81233A
R1930	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003 FOR VEP81233A
R1931-33	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1934	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	FOR VEP81233A
R1935	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	FOR VEP81233A
R1936	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1938	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003 FOR VEP81233A
R1944-46	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1949,50	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	FOR VEP81233A
R1951	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP81233A
R1953	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	FOR VEP81233A
⚠ T1101	G4D2C0000005	TRANSFORMER	1	
⚠ TH1101	VRT0142	THERMISTOR	1	D4DDB3310005
TP1101	VJR0646	TEST POINT	1	D0X0R0000022
		MISCELLANEOUS		
⚠	VWZ0074	INSULATION COVER	1	
⚠	VMZ2187	INSULATION COVER	1	
⚠	VMZ1608	CAPACITOR TUBE	1	
	VMP5282	TRANSISTOR CLIP	1	
	VSC4861	HEAT SINK (C)	1	
	VSC4860	HEAT SINK (B)	1	
⚠	VMZ0965	CAPACITOR COVER	2	
	VSC3434	SHIELD CASE	1	
	XYN3+F8	SCREW	4	
	XTV3+8G	SCREW	1	
	VMP5283	EARTH LUG	2	
	XYN3+F6	SCREW	2	
	VMZ2908	HEAT SINK	2	
	VMZ2969	HEAT SINK	1	
	XYN3+J8	SCREW	4	
	VSC4972	POWER CASE (B)	1	
	VMZ3453	POWER TR SHEET A	1	
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
C1201-03	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C1204	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1206	ECA1HXS100	E.CAPACITOR 50V 10U	1	
C1207	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	
C1208,09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1211	VCEA1DSP680	E.CAPACITOR 20V 68U	1	
C1212	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1213	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1214,15	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1301	ECA1HHGR33	E.CAPACITOR 50V 0.33U	1	
C1302	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1303,04	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1305	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1306	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1307	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1308	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1309	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1310	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1311	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1312	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1313	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1314	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1316,17	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
C1318,19	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1325	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1326,27	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1328,29	VCEA1DSP680	E.CAPACITOR 20V 68U	2	
C1330-33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C1335	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1336	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1337	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C1338	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1339	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1340	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1341	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1342	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1344	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1345	F2D1D1010001	E.CAPACITOR 20V 100U	1	
C1346	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1347,48	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1352,53	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1354	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1401	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C1402	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1403	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C1404	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1405,06	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1411	ECUX1A105KBN	C.CAPACITOR CH 10V 1U	1	
C1412,13	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1414	VCEA1ASC4R7M	E.CAPACITOR 10V 4.7U	1	F2D1A4R70002
C1415-17	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3	
C1418,19	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1420,21	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C1422,23	F2D1A1010002	E.CAPACITOR 10V 100U	2	
C1424,25	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1427	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
C1801	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1802	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1803	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1804	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1805	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1806	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1807	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1808	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1811	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1814,15	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1816,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C1818	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1819	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1820	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1821	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1822	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1823	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1824	F2D1A1010002	E.CAPACITOR 10V 100U	1	
D1201	VSD0129	DIODE	1	
D1202	SF20SC3L	DIODE	1	B0JBSD000010
D1203	MA142WK	DIODE	1	
D1204	MA142WA	DIODE	1	
D1205	MA3100-M	DIODE	1	
D1206	MA142K	DIODE	1	
D1208	MA3200-M	DIODE	1	
D1209	MA8068-M	DIODE	1	
D1211	SFPB-54	DIODE	1	B0JCMC000002
D1212	MA142K	DIODE	1	
D1213	MA8100-M	DIODE	1	
D1214	MA142WK	DIODE	1	
D1215	MA3051-H	DIODE	1	
D1216	MA142K	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1301	MA152K	DIODE	1	
D1302-06	MA142K	DIODE	5	
D1308	SFPB-54	DIODE	1	B0JCMC000002
D1309-11	DE5SC4M-4061	DIODE	3	B0JDRE000001
D1312,13	MA142K	DIODE	2	
D1314	MA8180-M	DIODE	1	
D1315	MA142K	DIODE	1	
D1316	MA8180-M	DIODE	1	
D1317	MA142K	DIODE	1	
D1318	MAZ80820HL	DIODE	1	
D1319	MA142K	DIODE	1	
D1320	MA8130-M	DIODE	1	
D1321	MA142K	DIODE	1	
D1322	MA142WA	DIODE	1	
D1323	MA142K	DIODE	1	
D1324	MA152K	DIODE	1	
D1402,03	MA142WK	DIODE	2	
D1404,05	SFPB-76V	DIODE	2	
D1406,07	MAZ80680KL	DIODE	2	
D1408	MA142WA	DIODE	1	
D1409	MA142WK	DIODE	1	
D1801	MA142K	DIODE	1	
D1802	MAZ81400ML	DIODE	1	
D1803	MA142K	DIODE	1	
D1804	MAZ80680KL	DIODE	1	
D1805	MA142K	DIODE	1	
D1806	MA142WA	DIODE	1	
D1807	MA152K	DIODE	1	
D1808,09	MA142K	DIODE	2	
D1810,11	DE5SC4M-4061	DIODE	2	B0JDRE000001
⚠ F1201	K5D103AQ0001	FUSE	1	
IC1201	C0BBBA000019	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1301,02	BA9743AFV	IC	2	C0DBAZC00010
IC1401	C0DBAZB00006	IC	1	
IC1801	BA9743AFV	IC	1	C0DBAZC00010
L1301,02	VLQ0655K100	COIL 10UH	2	
L1303,04	J0JBC0000023	FILTER	2	
L1305	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1306	J0JBC0000023	FILTER	1	
L1307	VLQ0859M220	COIL 22UH	1	
L1308	VLQ0859M221	COIL 220U	1	
L1309	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1310	VLQ0859M221	COIL 220U	1	
L1311	VLQ0655K220	COIL 22UH	1	
L1312	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1313	VLQ0441K220	COIL 22UH	1	
L1314,15	VLQ0655K220	COIL 22UH	2	
L1316	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1317	J0JKC0000009	FILTER	1	
L1401-04	J0JBC0000023	FILTER	4	
L1405,06	VLQ0441K1R0	COIL 1.0UH	2	
L1407	VLQ0859M100	COIL 10UH	1	
L1408	VLQ0859M220	COIL 22UH	1	
L1409	VLQ0655M3R3	COIL 3.3UH	1	
L1410	VLQ0655K100	COIL 10UH	1	
L1801	VLQ0655K100	COIL 10UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804	VLQ0784331	COIL 330UH	1	
L1805	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1806	VLQ0859M221	COIL 220U	1	
L1807,08	VLQ0441K220	COIL 22UH	2	
L1809	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
P1201	K1KA06A00262	CONNECTOR	1	
P1202	VJP3957A002	CONNECTOR (MALE)	1	K1KA02A00169
P1203	VJP4232B030	CONNECTOR (MALE)	1	K1KA30B00031
P1204	VJP1596T	CONNECTOR (MALE)	1	K1KA03A00113
P1205	K1KA03A00017	CONNECTOR (MALE)	1	
Q1201,02	XN0121300L	TRANSISTOR-RESISTOR	2	
Q1203	XN0460100L	TRANSISTOR-RESISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1204-07	B1DGJG000005	TRANSISTOR	4	
Q1208,09	XN0440100L	TRANSISTOR	2	
Q1210	XN4501	TRANSISTOR-RESISTOR	1	
Q1211,12	2SD1819A-R	TRANSISTOR	2	
Q1301,02	XN4501	TRANSISTOR-RESISTOR	2	
Q1303,04	2SD1819A-R	TRANSISTOR	2	
Q1306,07	2SD1819A-R	TRANSISTOR	2	
Q1308	2SD1820A-R	TRANSISTOR	1	
Q1309-12	XN0440100L	TRANSISTOR	4	
Q1313	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1314	2SJ214S	TRANSISTOR	1	
Q1315	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1316,17	2SK1059-Z	TRANSISTOR	2	B1DFDG000001
Q1318,19	2SD1819A-R	TRANSISTOR	2	
Q1401-04	B1DFFD000006	FET	4	
Q1801	2SD1819A-R	TRANSISTOR	1	
Q1802	XN4501	TRANSISTOR-RESISTOR	1	
Q1803	2SD1819A-R	TRANSISTOR	1	
Q1805	2SD1819A-R	TRANSISTOR	1	
Q1807,08	XN0440100L	TRANSISTOR	2	
Q1809,10	2SJ279S	TRANSISTOR	2	B1DGDG000002
QR1201	UNR521300L	TRANSISTOR	1	
QR1202	UNR521100L	TRANSISTOR	1	
QR1203	UNR511300L	TRANSISTOR	1	
QR1204	UN5212	TRANSISTOR-RESISTOR	1	
QR1207	UN5212	TRANSISTOR-RESISTOR	1	
QR1208	UNR511300L	TRANSISTOR	1	
QR1210,11	UNR521100L	TRANSISTOR	2	
QR1301,02	UNR511200L	TRANSISTOR	2	
QR1303	UNR521100L	TRANSISTOR	1	
QR1304,05	UNR511200L	TRANSISTOR	2	
QR1306-08	UNR521100L	TRANSISTOR	3	
QR1309,10	UNR511300L	TRANSISTOR	2	
QR1801	UNR511300L	TRANSISTOR	1	
QR1802	UNR511200L	TRANSISTOR	1	
QR1803	UNR521100L	TRANSISTOR	1	
QR1804	UNR511200L	TRANSISTOR	1	
QR1805	UNR521100L	TRANSISTOR	1	
R1201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1202-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1207,08	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	2	
R1209	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1210	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1211	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1212	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1213	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1215	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1217	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1220,21	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1222	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1223	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1224	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1225	ERJ3RBD513	M.RESISTOR CH 1/16W 51K	1	
R1227,28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1229	VRE0222J33M	M.RESISTOR	1	
R1230	VRE0222J10M	M.RESISTOR	1	
R1231,32	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R1233,34	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	2	
R1235	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1236,37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1238,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1240	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1241	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1243	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1244	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R1248	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1249	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1252	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1307,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R1309-12	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1313,14	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1316	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1317	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1318	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1322	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1323	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1324,25	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1326	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1327-29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1330	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1331	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1332,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1334	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1335	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1336	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1338	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1339,40	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1341	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1342	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1344	VRE0202H18	M.RESISTOR CH 0.18	1	
R1345,46	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1347	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1348	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1349	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1350	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1351	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1352	VRE0202HR10	M.RESISTOR CH 1	1	
R1355	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1357,58	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1359	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1360	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1364,65	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1366	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1368	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1371	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1372	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1373	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1374,75	ERJ6RBD911	M.RESISTOR CH 1/10W 910	2	
R1376	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R1377	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	
R1378,79	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1380	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R1381	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1382	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1	
R1383	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1384,85	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1386,87	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1388	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1390	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1392	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1393	ERJ6RBD751	M.RESISTOR CH 1/10W 750	1	
R1394	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1395	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R1403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1404	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1407,08	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R1409,10	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R1416	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1417,18	VRE0202H12	M.RESISTOR CH 0.12	2	
R1419,20	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1421	ERJ6RBD432	M.RESISTOR CH 1/10W 4.3K	1	
R1422	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1423,24	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1425	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1803,04	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1805,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1807-10	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1813	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1814	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1815	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1817	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1818	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1819	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1820	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1821	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1822	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1823	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1824,25	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R1828	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1829	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R1830,31	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1832	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1833	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1834	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1835	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1838,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1843	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1844	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1845	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1846	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1847	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
R1848	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1849	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1850	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
T1301	VLT0925	TRANSFORMER	1	G4ZZ00000377
⚠ TH1205	VRT0148050	THERMISTOR	1	D4ZZ00000006
TH1206	VRT0143	THERMISTOR	1	
TP1301-06	EYF6CU	TEST POINT	6	
TP1401,02	EYF6CU	TEST POINT	2	
TP1801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	EYF52BC	FUSE HOLDER	2	
	VJR1008	EARTH LUG	4	
	VSC4859	HEAT SINK (A)	1	
	XYN3+F8	SCREW	1	
	XYN3+J8	SCREW	1	
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
C1502	EEFCD0K330R	E.CAPACITOR 8V 33U	1	
C1503	ECA0JHG471B	E.CAPACITOR 6.3V 470U	1	
C1504	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C1505	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1506	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1507	EEUFC1V561S	E.CAPACITOR 35V 560U	1	
C1508	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1509	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1510,11	ECA1CHG472	E.CAPACITOR 16V 4700U	2	
C1601	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1609	ECJ2VC1H222J	C.CAPACITOR CH 50V 2200P	1	
C1613	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1614	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1616	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1620	ECJ2XC1H331J	C.CAPACITOR CH 50V 330P	1	
C1621	ECUM1H100JCN	C.CAPACITOR CH 50V 10P	1	
C1630	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1631	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1701,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1703	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1704,05	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	2	
C1706,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1708,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1710,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1712,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1714,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C1718,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1720,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1722	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1801,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1803	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1804,05	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C1806,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1808,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1810,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1812,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1814,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1816,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C1818,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1820,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1822	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
D1501	MA3051-H	DIODE	1	
D1502,03	MA115	DIODE	2	
D1504	MA3270-M	DIODE	1	
D1505	NSQ03A04	DIODE	1	B0JCPE000013
D1506	MA3062M	DIODE	1	
D1507	MA142K	DIODE	1	
D1606	MAZ82200ML	DIODE	1	
D1609	MA142WK	DIODE	1	
D1610	NSQ03A04	DIODE	1	B0JCPE000013
D1611	MA142WK	DIODE	1	
D1701	MA720	DIODE	1	
D1703,04	NSQ03A04	DIODE	2	B0JCPE000013
D1705,06	MA8056-MH	DIODE	2	
D1708	MA142WK	DIODE	1	
D1710	MA720	DIODE	1	
D1711	MA142WK	DIODE	1	
D1720,21	MA8030-H	DIODE	2	
D1803,04	NSQ03A04	DIODE	2	B0JCPE000013
D1805,06	MA8056-MH	DIODE	2	
D1807	MA142WA	DIODE	1	
D1808	MA142WK	DIODE	1	
D1809,10	MA720	DIODE	2	
D1811	MA8030-H	DIODE	1	
D1813	MA8030-H	DIODE	1	
IC1501	C0ABBA000071	IC	1	
IC1602	C0DBAKG00004	IC	1	
IC1702,03	C0DBAGH00030	IC	2	
IC1801,02	C0DBAGH00030	IC	2	
JP1501-03	VJR1008	EARTH LUG	3	
L1501	G1A220F00006	COIL 22UH	1	
L1602	G1A4R7H00002	COIL 4.7UH	1	
L1603	VLQ0859M470	COIL 47UH	1	
L1604	J0JKC0000009	FILTER	1	
L1605	J0JBC0000023	FILTER	1	
L1609	G1A4R7H00002	COIL 4.7UH	1	
L1701	G1A4R7H00002	COIL 4.7UH	1	
L1702,03	J0JBC0000023	FILTER	2	
L1704,05	J0JKC0000009	FILTER	2	
L1706,07	VLQ0859M470	COIL 47UH	2	
L1709	G1A4R7H00002	COIL 4.7UH	1	
L1712	G1A4R7H00002	COIL 4.7UH	1	
L1801	G1A4R7H00002	COIL 4.7UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804,05	J0JKC0000009	FILTER	2	
L1806,07	VLQ0859M100	COIL 10UH	2	
L1812	G1A4R7H00002	COIL 4.7UH	1	
P1501	VJP3926A024	CONNECTOR (MALE)	1	
P1502	K1KA06A00031	CONNECTOR (MALE)	1	
P1503	K1KA08A00119	CONNECTOR (MALE)	1	
Q1501	2SD601A-R	TRANSISTOR	1	
Q1502	2SC3074Y	TRANSISTOR	1	B1BADF000002
Q1503	2SB936A-Q	TRANSISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1504	2SD1819A-R	TRANSISTOR	1	
Q1602	B1DFFD000006	FET	1	
Q1701-04	B1DFFD000006	FET	4	
Q1705,06	2SD1819A-R	TRANSISTOR	2	
Q1708,09	2SD1819A-R	TRANSISTOR	2	
Q1801-04	B1DFFD000006	FET	4	
R1501	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1502,03	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1504,05	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R1506	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1507	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1508	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1509	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R1510-12	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R1513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1609	ERJL1WKJ47M	M.RESISTOR CH 1W	1	
R1619	ERJ6RED474	M.RESISTOR CH 1/10W 470K	1	
R1623	ERJ6RBD243	M.RESISTOR CH 1/10W 24K	1	
R1626	ERJ6RBD393	M.RESISTOR CH 1/10W 39K	1	
R1627	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R1628	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R1648	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1650	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
⚠ R1659	K5H312300003	FUSE	1	
R1701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1705,06	ERJL1WKJ47M	M.RESISTOR CH 1W	2	
R1707,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1711,12	ERJ6RED184	M.RESISTOR CH 1/10W 180K	2	
R1713	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1714	ERJ6RED154	M.RESISTOR CH 1/10W 150K	1	
R1715	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1716	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1717,18	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1719	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1721,22	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R1723,24	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1725	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1730,31	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R1801,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1805,06	VRE0202H22M	M.RESISTOR	2	
R1807,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1809	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1810	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1811	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1812	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1813	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1814	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1815,16	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1820,21	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
T1501	VLT0889	TRANSFORMER	1	G4ZZ00000368
		MISCELLANEOUS		
	VSC5620	SHIELD A	1	
	VMP5861	P.C.B. HOLDER ANGLE (L)	1	
	VMP5862	P.C.BOARD FIX ANGLE (R)	1	
	XTV3+6F	SCREW	2	
	VKC0295	BOARD SPACER	1	
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
P1,P2	K1KB06B00035	CONNECTOR (FEMALE)	2	
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
JP1-P6	VJR1008	EARTH LUG	6	
P101	K1KA08A00441	CONNECTOR (MALE)	1	
P103-05	K1KA08A00441	CONNECTOR (MALE)	3	
P111	VJS4232A030	CONNECTOR (FEMALE)	1	K1KB30A00003
P112	VJP3926A024	CONNECTOR (MALE)	1	
P201-05	VJS4064N160E	CONNECTOR (FEMALE)	5	K1KAG0A00006
P206	VJS4064K140E	CONNECTOR (FEMALE)	1	K1KAE0A00007
P301,02	VJS3600F030K	CONNECTOR (FEMALE)	2	
P303	VJS3406D020	CONNECTOR (FEMALE)	1	K1MN20B00029
P401,02	K1MN40A00007	CONNECTOR	2	
P403	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
		MISCELLANEOUS		
	VKC0295	BOARD SPACER	2	
	VEE1A29	SHIELD CABLE	1	
	VJF0300	A/C HEAD BINDER	1	
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
C1-C3	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	3	F1J1H121A025
C4,C5	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	F1J1H101A025
C6-C8	F1L1A4760003	C.CAPACITOR CH 16V 47U	3	
C9-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C13	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C14,15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C16	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C18	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C100	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C101-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C200	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
D1-D5	MA3X15300L	DIODE	5	
D200-04	LN38GCPP	LED	5	
DP100	VSL0489	DISPLAY	1	A2BA00000191
IC1	C2CBKJ000078	IC	1	
IC2	TL7705CPSB	IC	1	C0EBS0000002
IC3	C0JBAB000350	IC	1	
IC100,01	MN12511S	IC	2	
ID0	VVVSI4330A	SOFTWARE	1	DOWNLOAD ONLY
J1	VJJ0571	JACK	1	
L1,L2	G1C101K00022	COIL 100UH	2	
P1	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
P2	K1KA03A00017	CONNECTOR (MALE)	1	
P3	K1KA06A00031	CONNECTOR (MALE)	1	
P200	VJS4243B018	CONNECTOR (FEMALE)	1	K1MN18B00032
Q100-06	2SB710A-R	TRANSISTOR	7	
Q200-11	2SD0601ARL	TRANSISTOR	12	
QR100-06	MUN2213	TRANSISTOR-RESISTOR	7	
R3	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
⚠ R4	K5H1023A0001	FUSE	1	
R5	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R6,R7	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R8,R9	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R11	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	D0GD105JA003

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12,13	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R14-17	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	
R18,19	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R20-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	3	
R23	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R24	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R25	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R107	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R108	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R109	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R110	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R111	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R112	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R113	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R114	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R115	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R116	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R117	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R118	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R119	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R120	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R121-27	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	7	
R200-02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R203	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R204,05	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R206	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R207	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R208-10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R211	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R212	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R213,14	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R215	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R216	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R217,18	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R219	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R220	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R221,22	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R224	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R225	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R226	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R227,28	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R229	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R230	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R231	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
SW203	VSS0249	SWITCH	1	K0D113A00050
SW205	VSS0250	SWITCH	1	K0D112A00104
SW206	VSS0249	SWITCH	1	K0D113A00050
SW65102	EVQQS307K	SWITCH	1	
SW65105	EVQQS307K	SWITCH	1	
SW65107,08	EVQQS307K	SWITCH	2	
VR1	EVJYM0F15C23	V.RESISTOR 2K	1	
X1	H0J100500016	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF1360	DISPLAY HOLDER	1	
	VGQ0458	SPACER	5	
	QJT0015	GND TERMINAL	1	
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
C1,C2	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3,C4	EEFCD0K330R	E.CAPACITOR 8V 33U	2	
C5,C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C7	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C9,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C12-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C17,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C19	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C21,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C23,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C25	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C26,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C28	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
D1	MA3062M	DIODE	1	
D3,D4	MA3062M	DIODE	2	
D5	MA716	DIODE	1	
D6	MA142K	DIODE	1	
D7	MA3062M	DIODE	1	
IC1	C0CBADD00003	IC	1	
IC2	XC62DN5002M	IC	1	
J1-J3	K1QBB2AA0005	CONNECTOR	3	
J4	K2HA205A0004	JACK	1	
J5	K1QBB2AA0005	CONNECTOR	1	
L1,L2	VLP0183	COIL	2	J0JKC0000007
L3-L8	VLP0145	COIL	6	
P1,P2	VJS3421A020	CONNECTOR (FEMALE)	2	K1MN20A00027
P3	VJP3414A009	CONNECTOR (MALE)	1	K1FB109A0016
Q1	XN4501	TRANSISTOR-RESISTOR	1	
Q3,Q4	XN4501	TRANSISTOR-RESISTOR	2	
Q5	2SA1532-B	TRANSISTOR	1	
Q6	XN4501	TRANSISTOR-RESISTOR	1	
Q7	2SC2295	TRANSISTOR	1	
R1	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3,R4	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R5	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7,R8	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R9	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R11,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R13,14	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R17-20	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	4	
R21	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R22	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R23	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R27	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R31	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R32	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R35	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R39	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40,41	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R42	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R43	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R44	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
SW1	VSS0307	SWITCH	1	K0D122A00105
		MISCELLANEOUS		
	VMP5301	D SUB HOLDER ANGLE	1	
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
C201-04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C229-32	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
J201,02	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J203,04	K1AB103A0007	CONNECTOR (MALE)	2	
J205,06	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J207,08	K1AB103A0007	CONNECTOR (MALE)	2	
L201	VLP0145	COIL	1	
L203	VLP0145	COIL	1	
L205,06	VLP0145	COIL	2	
L208	VLP0145	COIL	1	
L210	VLP0145	COIL	1	
L212	VLP0145	COIL	1	
L214,15	VLP0145	COIL	2	
L217	VLP0145	COIL	1	
L219,20	VLP0145	COIL	2	
L222	VLP0145	COIL	1	
L224,25	VLP0145	COIL	2	
L227	VLP0145	COIL	1	
L229-31	VLP0145	COIL	3	
L233	VLP0145	COIL	1	
L235,36	VLP0145	COIL	2	
L238	VLP0145	COIL	1	
L240	VLP0145	COIL	1	
P201	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
P301	VJS2582B018	CONNECTOR (FEMALE)	1	K1MN18B00028
R301,02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R303	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R304	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R305	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R306	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R307	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R308	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R309	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R310	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R311	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R312	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R313	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R314	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R315	ERJ14YJ181	M.RESISTOR CH 1/4W 180	1	
SW301	VST0331	SWITCH	1	K0C112B00006
SW302	VSP0853A000	SWITCH	1	K0F111A00235
SW303	VSP0792	SWITCH	1	K0F111A00280
SW304	K0F111A00426	SWITCH	1	
SW305	VSP0791	SWITCH	1	K0F111A00279
SW306	VSP0790	SWITCH	1	K0F111A00278
SW307	VSP0793	SWITCH	1	K0F111A00281
SW308	VSP0789	SWITCH	1	K0F111A00283
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
P65401	VJP1610T	CONNECTOR (MALE)	1	K1KA06B00059
VR65401,02	EVU023003B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E69	REC VR CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
P65301	VJP1611T	CONNECTOR (MALE)	1	K1KA07B00032
VR65301,02	EVU023006B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E70	PB VR CABLE	1	
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
C66000	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66001	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C66002	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66003	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
IC66000	TL7705CPSB	IC	1	C0EBS0000002
P66001,02	VJS3537A024G	CONNECTOR (FEMALE)	2	K1MN24A00027
P66003	VJP1599T	CONNECTOR (MALE)	1	K1KA06A00125
P66004	VJP1600T	CONNECTOR (MALE)	1	K1KA07A00066
P66005	K1KA03A00017	CONNECTOR (MALE)	1	
R66000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R66001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C9,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C11,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C17,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C19,20	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C21-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C28,29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C30	F1J0J475A006	C.CAPACITOR CH6.3V 4.7U	1	
C100	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C101-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C109-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C112-15	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C116,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C209,10	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C211	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C218	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C219,20	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C222	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C304	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C305,06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C307	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C308-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C315,16	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C317-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C322	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C323	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C324,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C326,27	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C328	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C350-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C400,01	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C403-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C407,08	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C409	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C410,11	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C412-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C417,18	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C450,51	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C452,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C454,55	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C456-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C700-02	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	F1J1H103A010
C703	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C704	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C705	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C706	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C707	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C708,09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C710	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C711,12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C713-15	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C716	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C717,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C719	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C720	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C721	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C722,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C724	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C725	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C726,27	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C800-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C807	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C808	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C809	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C810	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C811	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C812-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C815	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C816	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C817,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C819,20	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C900	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C901	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C902	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C903	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C904,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C906	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C907	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C908	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C909	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C910	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C911	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C5001,02	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5003,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5005	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C5006	EEVHB1E470P	E.CAPACITOR 25V 47U	1	
C5007,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5009,10	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5011,12	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C5013,14	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5015,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6001	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6002	VCE0180	E.CAPACITOR 25V 100U	1	F2G1E1010003
C6003,04	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C6005	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6006,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C6008,09	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C6010-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6013	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C6015	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6016	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6017	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6018-20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6021,22	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D8	MA147	DIODE	1	
D300-02	MA147	DIODE	3	
D403,04	MA142K	DIODE	2	
D405-07	MA147	DIODE	3	
D408	MA142K	DIODE	1	
D450,51	MA142K	DIODE	2	
D800	MA142WK	DIODE	1	
D801	MA142K	DIODE	1	
D802-05	MA142WK	DIODE	4	
D806	MA147	DIODE	1	
D807,08	MA142WK	DIODE	2	
D809	MA142WA	DIODE	1	
D810	MA8051-M	DIODE	1	
D811	MA8082-H	DIODE	1	
D812	MA142WK	DIODE	1	
D813	MA142K	DIODE	1	
D814	MAZ80330HL	DIODE	1	
D815	MA8039-H	DIODE	1	MAZ80390HL
D5001,02	MA2J72800L	DIODE	2	
D5003,04	MA2Q73600L	DIODE	2	
D6001,02	MA2J72800L	DIODE	2	
D6003,04	MA2Q73600L	DIODE	2	
D6005	MA142K	DIODE	1	
IC1	TC4052BF	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	C0JBAZ000994	IC	1	
IC4	TC4052BF	IC	1	
IC5-C8	C0ABBB000179	IC	4	
IC9,10	C0ABBB000184	IC	2	
IC11,12	C0BBBA000044	IC	2	
IC13	C0JBAZ000994	IC	1	
IC17	C0ABBB000184	IC	1	
IC20	C0BBBA000044	IC	1	
IC23	C0JBAB000397	IC	1	
IC24	C0JBAZ001121	IC	1	
IC26-28	C0JBAZ001121	IC	3	
IC29	C0JBAZ001003	IC	1	
IC33-35	C0ABBB000179	IC	3	
IC36,37	C0ABBA000075	IC	2	
IC38	C0BBBA000044	IC	1	
IC41	C0BBBA000044	IC	1	
IC42	C0ABBB000184	IC	1	
IC46	C0JBAF000487	IC	1	
IC47,48	C0JBAM000111	IC	2	
IC49	C0JBAZ001120	IC	1	
IC50	C0JBAM000111	IC	1	
IC51	C0JBAZ001120	IC	1	
IC52	C0JBAM000111	IC	1	
IC53	C0ABBA000075	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC54	C0BBBA000044	IC	1	
IC302	MN1030F04KHF	IC	1	
IC350	X9288L7T144	IC	1	
IC351	X9144L7T100	IC	1	
IC400	M62370GP	IC	1	C0FBBD000082
IC700	AN3890FBS	IC	1	
IC701	TB6519F	IC	1	C0GBY0000011
IC900	C0CBABD00005	IC	1	
IC5001,02	MN13821-S	IC	2	
IC6001	TL1451CNS	IC	1	C0DBAMA00001
ID0	VVVSI4281A	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4289A	SOFTWARE	1	DOWNLOAD ONLY
J900-02	K4CD01000007	CABLE TERMINAL	3	
L900-04	VLF1151A132	COIL	5	
L5001,02	VLQ0407120M	COIL 12UH	2	G0A120HA0007
L5003,04	VLQ0650M151	COIL 150UH	2	G1C151MA0016
L6001,02	VLQ0650M151	COIL 150UH	2	G1C151MA0016
P300	VJS3791B020	CONNECTOR (FEMALE)	1	
P350	K1KA08B00147	CONNECTOR (FEMALE)	1	
P900,01	K1MN40A00007	CONNECTOR	2	
P902	K1KA08A00119	CONNECTOR (MALE)	1	
P903	K1KBA0A00084	CONNECTOR (FEMALE)	1	
Q450,51	2SD601A	TRANSISTOR	2	
Q700	PU3210	TRANSISTOR	1	PUA3210
Q701	PU3110	TRANSISTOR	1	PUA3110
Q702	2SB1073-R	TRANSISTOR	1	
Q703	2SD1119-R	TRANSISTOR	1	
Q704	2SB1073-R	TRANSISTOR	1	
Q705	2SD1119-R	TRANSISTOR	1	
Q706	2SB1073-R	TRANSISTOR	1	
Q707	2SD1119-R	TRANSISTOR	1	
Q800	2SB710A	TRANSISTOR	1	
Q801,02	2SB1073-R	TRANSISTOR	2	
Q5001,02	2SD1819A-R	TRANSISTOR	2	
Q5003	2SB1174-Q	TRANSISTOR	1	2SB11740Q
Q5004	2SB1073	TRANSISTOR	1	
Q5005,06	2SD1819A-R	TRANSISTOR	2	
Q6001,02	2SB1174-Q	TRANSISTOR	2	2SB11740Q
QR1-R4	UNR521300L	TRANSISTOR	4	
QR9	UNR521300L	TRANSISTOR	1	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UN5217	TRANSISTOR-RESISTOR	1	
QR702	UNR521300L	TRANSISTOR	1	
QR703	UNR521400L	TRANSISTOR-RESISTOR	1	
QR800	UNR521400L	TRANSISTOR-RESISTOR	1	
QR801	UNR511300L	TRANSISTOR	1	
QR802	UNR521400L	TRANSISTOR-RESISTOR	1	
QR803	UNR521300L	TRANSISTOR	1	
QR806	UNR521300L	TRANSISTOR	1	
QR807,08	UNR521400L	TRANSISTOR-RESISTOR	2	
QR809	UNR521300L	TRANSISTOR	1	
QR810	UNR511300L	TRANSISTOR	1	
QR811-15	UNR521400L	TRANSISTOR-RESISTOR	5	
QR816	UNR511300L	TRANSISTOR	1	
QR5001,02	UNR521300L	TRANSISTOR	2	
QR6001,02	UNR511100L	TRANSISTOR	2	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R8	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R9	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R10	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R11	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R15	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R17	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R22	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R23	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R24	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R25	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R28	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R29	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R30	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R35	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R40,41	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R42,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R46,47	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R51	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R54	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R55	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R56	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R57,58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R101	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R102	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R103	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R104	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R105	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R106	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R108	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R109	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R110	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R111	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R112	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R113	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R114	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R115	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R116-19	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R120,21	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R122-25	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R126-29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R130-33	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R134-37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R138	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R139	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R140	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R141	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R142,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R144,45	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R146-49	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R201	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R203	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R204	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R209	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R210	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R211	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R212	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R213,14	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R218,19	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R220,21	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R226,27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R234,35	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R238,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R240,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R242,43	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R244,45	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R300	EXBV8V470J	COMBI.R-R 47	1	
R301,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R303	EXBV8V470J	COMBI.R-R 47	1	
R304-06	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R307-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R310	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R311	EXBV8V473J	COMBI.R-R 47K	1	
R312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R313	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R315,16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R317	EXBV8V101J	COMBI.R-R 100	1	
R318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R319	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R320	EXBV8V470J	COMBI.R-R 47	1	
R321	EXBV8V473J	COMBI.R-R 47K	1	
R322,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R324	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R326	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R329	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R330-35	EXBV8V470J	COMBI.R-R 47	6	
R336	EXBV8V473J	COMBI.R-R 47K	1	
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R343	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R350	EXBV8V102J	COMBI.R-R 1K	1	
R351	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R352	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R357	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R358	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R359,60	EXBV8V470J	COMBI.R-R 47	2	
R361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R362	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R366,67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R368	EXBV8V470J	COMBI.R-R 47	1	
R369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R370	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R400,01	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R402,03	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R407-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R410,11	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R412,13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R414,15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R417	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R419	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R420,21	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R422	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R423	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R424-26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R429	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R430	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R450,51	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R452	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R453,54	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R455	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R456-59	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R460,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R700-02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R703	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R704	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R705	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R706,07	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R708	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R709	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R710,11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R712	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R713	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R714	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R716-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R719	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R720-22	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R800	EXBV8V473J	COMBI.R-R 47K	1	
R801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R802	EXBV8V473J	COMBI.R-R 47K	1	
R803	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R804	EXBV8V473J	COMBI.R-R 47K	1	
R805	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R806	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R807	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R808	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R809	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R811	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R812-15	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R818	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R819	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R820	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R823	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R824	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R825	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R826	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R829-33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R834-36	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R837,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R839	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R840	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R841	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R842	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R843,44	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R845,46	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R847,48	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R900	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R907-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5002	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5003	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5004	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5005-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5009	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R5010	K5H2523A0001	FUSE	1	
R5013,14	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R5015,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5017,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5019,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5021,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5023,24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5025,26	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R5027-30	ERJ12YJ222	M.RESISTOR CH 1/2W 2.2K	4	
R5031,32	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R6001	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R6003,04	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R6005,06	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R6007,08	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R6009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6010	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6011	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6012	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6013	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6014	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6017,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6022,23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6025	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6026	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6027,28	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6029,30	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R6031	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6032	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6033	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6034,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
TG450	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP104-07	EYF6CU	TEST POINT	4	
TP204,05	EYF6CU	TEST POINT	2	
TP350-53	EYF6CU	TEST POINT	4	
TP371	EYF6CU	TEST POINT	1	
TP409	EYF6CU	TEST POINT	1	
TP800,01	EYF6CU	TEST POINT	2	
TP900	EYF6CU	TEST POINT	1	
X300	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

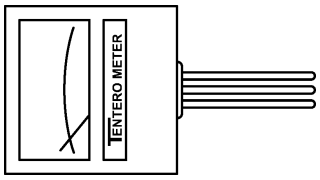
1. SERVICING FIXTURES & TOOLS

NO.	NEW	PART NO.	FIXTURE & TOOL NAME	REMARK
1		VFK1145A	Back Tension Meter	
2		VFK1149B	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5cN･m)	150g
4		VFK1191A	Dial Torque Gauge (0.45cN･m)	45g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5mm)	
7		VFK1154	Post Height Fixture	
8		VFK1586	Neutral Position Plate	for L Cassette
9		VFK1587	Neutral Position Tool (w/ hole)	
10		VFK1588	Neutral Position Tool (w/o hole)	
11		VFK1150A	Nut Driver (5.5mm)	
12		VFK1593	Nut Driver (4.5mm)	
13		VFK1188A	Dial Tension Gauge (300mN)	30g
14		VFK0749	Froiral Grease	for plastics
15		MOR265	Morlytone Grease	for metal
16		VFK0948A	Check Light	
17		VFK1146A	Philips Driver (Fine) (00-75)	
18		VFK1147A	Philips Driver (Fine) (00-100)	
19		VFK1148A	Hex. Driver (1.5mm)	
20		VFK1178A	Hex. Driver (0.89mm)	
21		VFK1589	A/C Head Fixture	
22		VFK1209A	Torque Driver (4 cN･m-30 cN･m)	0.4 kgf･cm -3kgf･cm
23		VFK1590	CPLD Writer	
24		VFK0912	Post Axis Driver (1.5mm)	
25		VFM3580KM	DVCPRO Alignment Tape (No.1) for NTSC	or VFM3580KL
26		VFM3581KM	DVCPRO Alignment Tape (No.2) for NTSC	or VFM3581KL
27		VFM3582KM	DVCPRO Alignment Tape (No.3) for NTSC	or VFM3582KL
28		VFM3380KM	DVCPRO 50 Alignment Tape for NTSC	
29		VFM3010EDS	DV Alignment Tape (Color Bars) for NTSC	
30		VFM3000EDS	DV Alignment Tape for LISTA	
31		VFM3780KML	DVCPRO HDLP Alignment Tape (Color –bar)	
32		VFM3781KML	DVCPRO HDLP Alignment Tape (LISTA)	
33		VFM3782KML	DVCPRO HDLP Alignment Tape (X-Value)	
34		VFM3783KML	DVCPRO HDSP Alignment Tape (Noise Chancellor)	
35		AJ-CL12MP	Cleaning Tape	Via Sales Rote
36		VFK1369	Tape Beg./End Detection Cassette	or VFK1423
37		VFK1186	LISTA Cable	
38		VFK1300	A/D Board (DAQ-12 Quatech)	
39		VFK1498	Extender Board	
40		VZZ0095	Cleaning Cloth	
41		VFK1190	Hex. Wrench	
42		VFK1304A	Flash Memory Version up Tool	

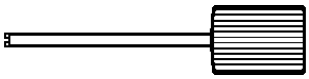
*** The following adjustment software can be downloaded from the Web Site.**

S1		VFK1481K	LISTA Software	
S2		VFK1248M	Flash Memory Version-up Software	
S3		VFK1879	CPLD Version-up Software	
S4		VFK1839A	RF Auto Adjustment Software	

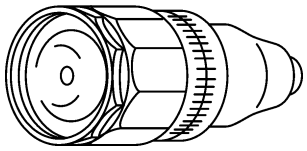
1 **VFK1145A**
Back Tension Meter



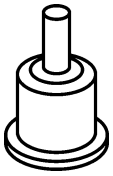
2 **VFK1149B**
Post Driver



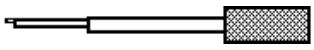
3 **VFK71A** (1.5cN·m)
4 **VFK1191A** (0.45cN·m)
Dial Torque Gauge



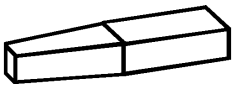
5 **VFK1152**
Dial Torque Gauge Adapter



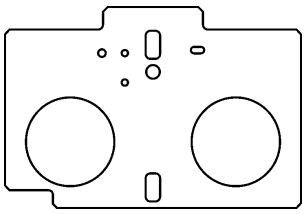
6 **VFK0357**
Eccentric Screwdriver (1.5mm)



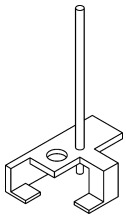
7 **VFK1154**
Post Height Fixture



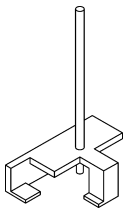
8 **VFK1586**
Neutral Position Plate (For L Cassette)



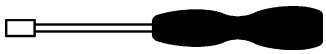
9 **VFK1587**
Neutral Position Tool (W/ hole)



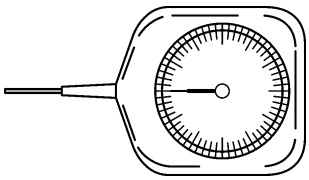
10 **VFK1588**
Neutral Position Tool (W/o hole)



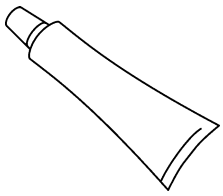
11 **VFK1150A (5.5mm)**
12 **VFK1593 (4.5mm)**
Nut Driver



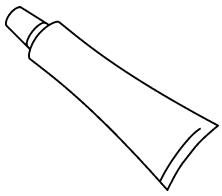
13 **VFK1188A**
Dial Tension Gauge (300mN)



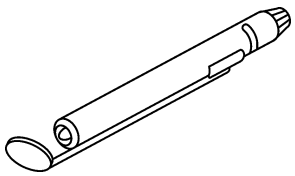
14 **VFK0749**
Froiral Grease (for plastics)



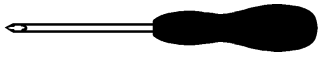
15 **MOR265**
Morlytone Grease (for metal)



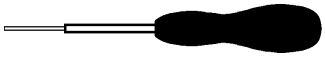
16 **VFK0948A**
Check Light



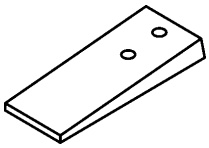
17 **VFK1146A (00-75)**
18 **VFK1147A(00-100)**
Philips Driver (Fine)



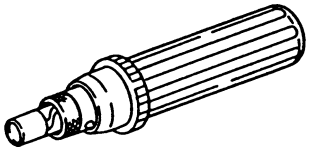
19 **VFK1148A(1.5mm)**
20 **VFK1178A(0.89mm)**
Hex. Driver



21 **VFK1589**
A/C Head Fixture

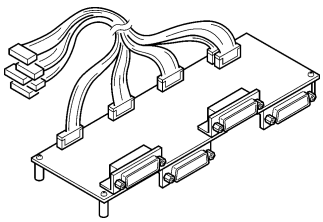


22 **VFK1209A**
Torque Driver
(4 cN·m-30 cN·m
(0.4 kgf·cm -3kgf·cm))



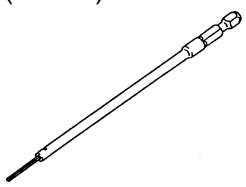
23 **VFK1590**
C PLD Writer

Cables to the boards VFK1590P1, VFK1590P2, VFK1590P3, VFK1590P4 and VFK1590P5 included.



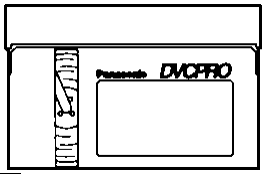
24 VFK0912

Post Axis Driver
(1.5mm)



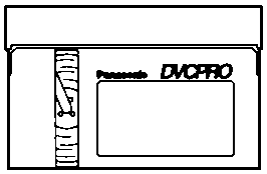
25 VFM3580KM or KL
26 VFM3581KM or KL
27 VFM3582KM or KL

DVCPRO
Alignment Tape



28 VFM3380KM

DVCPRO 50
Alignment Tape (NTSC)

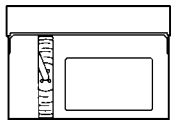


29 VFM3010EDS

DV Alignment Tape
(Color Bars) (NTSC)

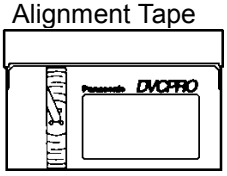
30 VFM3000EDS

DV Alignment Tape
(LISTA)



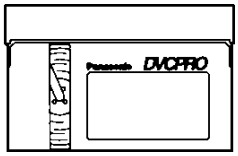
31 VFM3780KML(LP)
32 VFM3781KML(LP)
33 VFM3782KML(LP)
34 VFM3783KML(SP)

DVCPRO HD
Alignment Tape



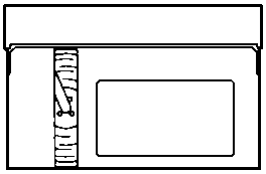
35 AJ-CL12MP

Cleaning Tape



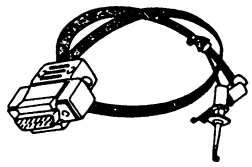
36 VFK1369

Tape Beg./End
Detection Cassette



37 VFK1186

LISTA Cable



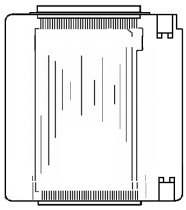
38 VFK1300

A/D Board
(Quatech DAQ-12)



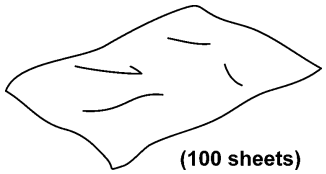
39 VFK1498

Extender Board



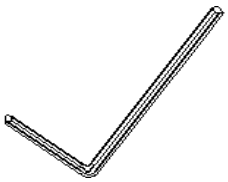
40 VZZ0095

Cleaning Cloth



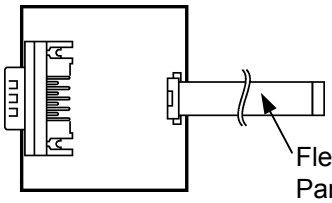
41 VFK1190

Hex Wrench



42 VFK1304A

Flash Memory Version up Tool
(VFK1304 includes the flexible cable
"VWJ20E5500L0".)



Flexible cable
Part No.: VWJ20E5500L0

2. ALIGNMENT TAPE

2-1. VFM3580KM / KL (NTSC) (25M adjustment tape No. 1)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (100%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KM / KL (NTSC) (25M adjustment tape No. 2 for LISTA adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KM / KL (NTSC)
(25M adjustment tape No. 3 for X-value adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) (with drop-out track)	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-4. VFM3380KM (NTSC) (50M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (with teletext) (100%)	Confirmation of video level and teletext level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
4:00	Color bar (SMPTE) (75%)	Confirmation of the video level				
7:00	Multiburst (Y/Pb/Pr)	Frequency characteristic				
10:00	Multiburst (only Y)	Y-frequency characteristic				
13:00	Bow tie	Y/C timing				
16:00	Area marker	Video start timing				

2-5. VFM3010EDS (NTSC) (DV Color Bar adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-6. VFM3000EDS (NTSC/PAL) (DV LISTA adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	LISTA signal	Adjustment of the linearity	-----	-----	-----	-----

2-7. VFM3780KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.1)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-20:00	Color bar (100%)	Confirmation of video level and teletext level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level

2-8. VFM3781KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.2) (For LISTA adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-20:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-9. VFM3782KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.3) (For X-value adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-20:00	Color bar (100%) w/ REF	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-10. VFM3783KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.3) (For X-value adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-10:00	Color bar (100%) w/ REF	Confirmation of Video Level	1KHz –20Db	Confirmation of the audio level	1KHz	Confirmation of cue audio.
10:00-20:00					-----	-----

3. RECOMMENDED MEASURING INSTRUMENTS

NAME	REMARK
NTSC analogue composite signal generator (with CF OUT)	
SCH meter (NTSC)	
Waveform monitor (NTSC)	
Vector scope (NTSC)	
Oscilloscope	
Digital voltmeter (D.V.M.)	
Frequency counter	
Audio noise meter	
Audio analyser	
Spectrum analyser	
HD Signal Generator	
SD Signal Generator	
HD Waveform Monitor	
SD Waveform Monitor	
HD Monitor	
SD Monitor	

4. MAINTENANCE

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms wear parts, and their wear and deterioration cause problems. Dust and dirt also can impair stable operation. For this reason it is important to not just perform repair at the time of a problem, but to perform suitable maintenance at regular intervals.

	Part name	Part No.	Drum Rotation (hours)				
			Every 1,000	3,000	6,000	9,000	12,000
-	Cleaning tape transportation	-----	**C: Every 500 hours**				
-	Mechanical chassis unit	VXY1842Z1					**R**
1	Cylinder Unit	VEG1655		**R**	**R**	**R**	**IM**
2	Pinch Arm Unit	VXL3040	**R, G**	**R, G**	**R, G**	**R, G**	**IM**
3	Cleaning Arm Unit	VXL3028	**R: Every 1000 hours**				**IM**
4	S Reel Motor Unit	VEM0724			**R**		**IM**
5	T Reel Motor Unit	VEM0731			**R**		**IM**
6	Capstan Unit	VEM0717			**R**		**IM**
7	S Loading Unit	VXA7528			**R, G**		**IM**
8	T Loading Unit	VXA7530			**R, G**		**IM**
9	S4 Post Base Unit	VXA7523			**R**		**IM**
10	S Tension Arm Unit	VXL3165			**R**		**IM**
11	T5 Arm (1) Unit	VXL3164			**R, G**		**IM**
12	T6 Arm Unit	VXL3163			**R**		**IM**
13	Mode SW Unit	VES0925			**R**		**IM**
14	A/C Head 1 Unit	VED0466					**IM**
15	Motor Unit	VEM0726					**IM**
16	Reel Drive Motor Unit	VEM0585C					**IM**
17	Pinch Solenoid	VSJ0227					**IM**
18	S Brake Solenoid	VSJ0216					**IM**
19	T Brake Solenoid	VSJ0216					**IM**
20	MIC SW Base Unit	VXA7921C					**IM**
21	Cleaner Solenoid	VSJ0226					**IM**
22	Main Cam Gear	VDG1424					**IM**
23	Reel Stopper Solenoid	VSJ0216					**IM**
24	Front Loading Motor U.	VXA5597					**F**
25	Front Loading Unit	VXA7920					**R**
26	Fan motor	L6FAHBBD0001					**R**

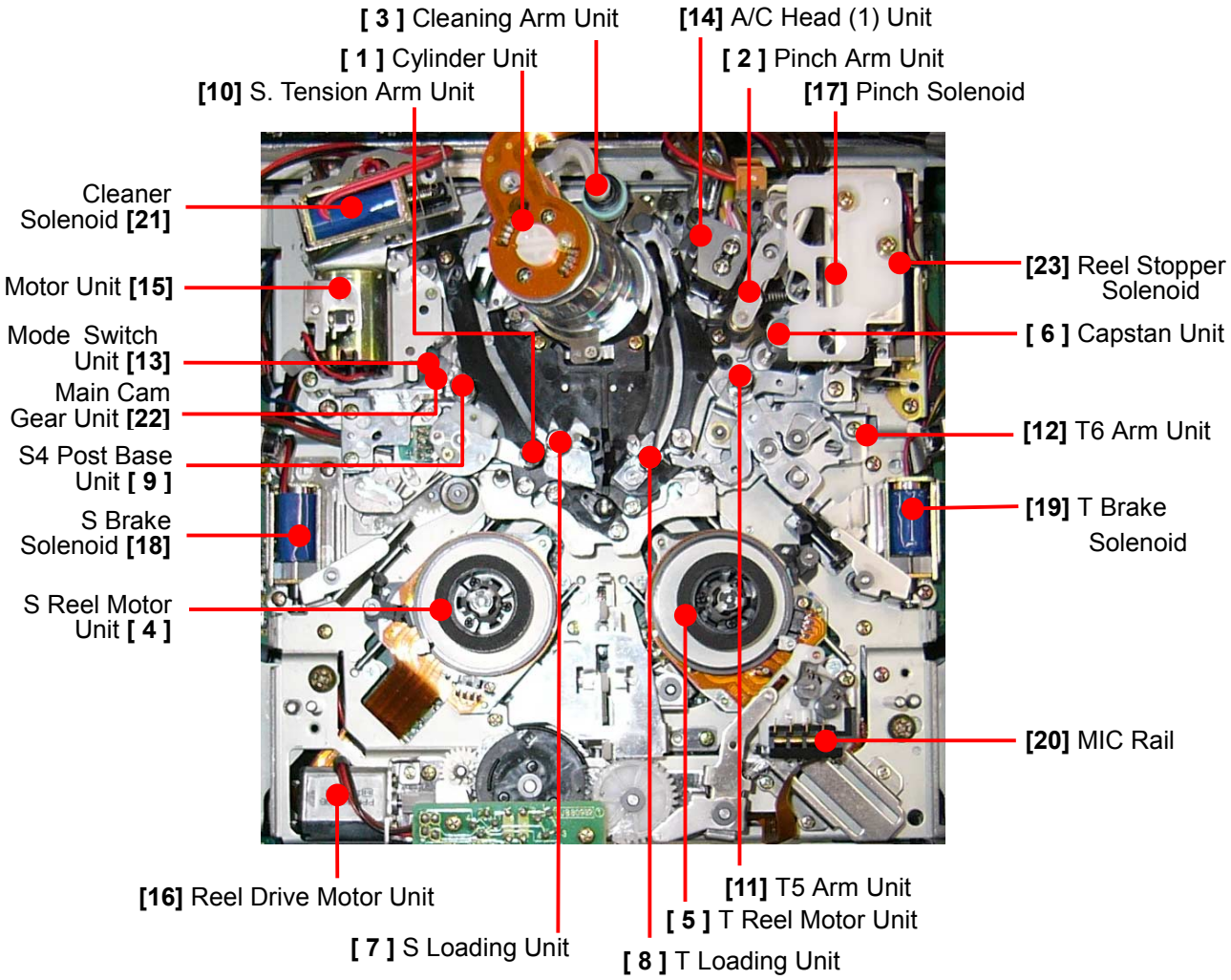
Exchange of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
G : At the time of exchange, wipe off the old grease and apply new grease.
(Morlytone grease)
IM : Included in the mechanical chassis unit.
When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

<Note:>

The Hours of use is indicated by the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the Life of the various parts. The Life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

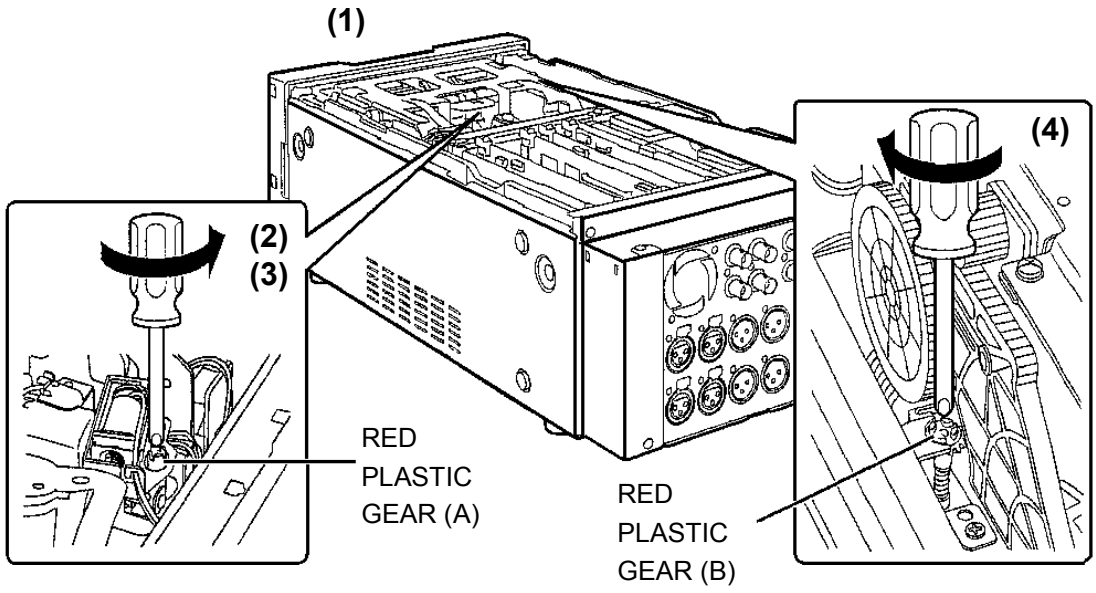
4-2. Layout of the Maintenance Parts



5. MANUAL TAPE EJECT (EMERGENCY EJECT)

When the tape can not be ejected by normal operation because of a problem in the electrical system or the mechanical system, the tape can be removed from the unit manually by means of the following method.

1. Switch off the power and remove the upper cover.
2. Use a Philips head screw driver to push in the red plastic **gear (A)** and turn it in **counter clockwise** direction. At this time, the tape winding mechanism operates at the same time, so that the latch sound will be heard, but turning for about 10 turns should be done in this condition. (Excessive turning can place a load onto the tape and can cause tape damage.)
3. Confirm unloading for each post and that the tape has been stored completely in the cassette.
4. When the tape has returned completely into the cassette, push the plastic **gear (B)** at the front of the cassette down motor work gear, and turn it in clockwise direction to remove the cassette. (Take care that the tape is not caught when the cassette lid closes.)

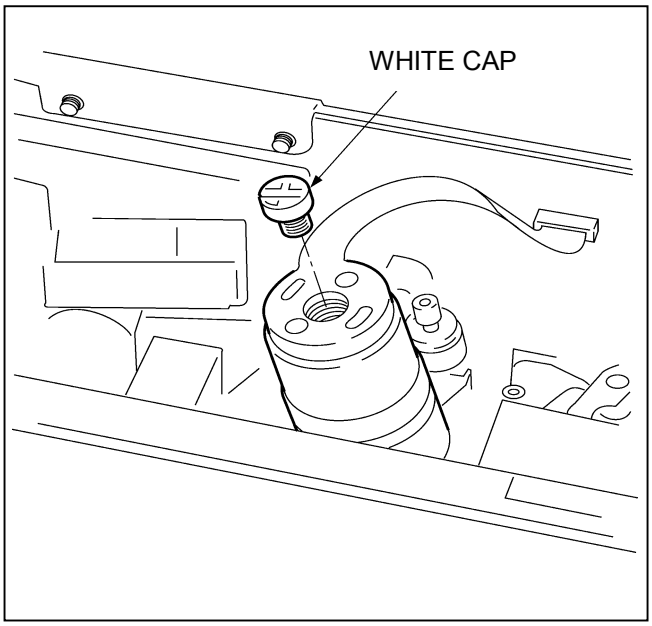


6. CYLINDER HEAD CLEANING METHOD

The cylinder head of this unit has a 3-piece construction (top, center, and bottom), and only the center cylinder with the installed head chip rotates. Accordingly, head cleaning must be performed while rotating only the center cylinder according to the following method.

NOTE: At the time of cleaning, use sufficient care not to touch the head or the cleaning roller with bare hands

1. Switch off the power and remove the upper cover.
2. Use a flat screwdriver to remove the white cap from the upper part of the cylinder, taking care not to drop it. (Refer to the following figure.)



3. Push a cleaning cloth lightly against the center cylinder (the part where the head chip is installed), insert a flat screwdriver into the hole at the center of the cylinder, and turn the center cylinder (the part where the head chip is installed) in CCW direction to perform cleaning.

NOTE: Before inserting the screwdriver into the cylinder, confirm that the center cylinder is stopped.
Take care that the screwdriver exerts no excessive force onto the cylinder unit when it is inserted.

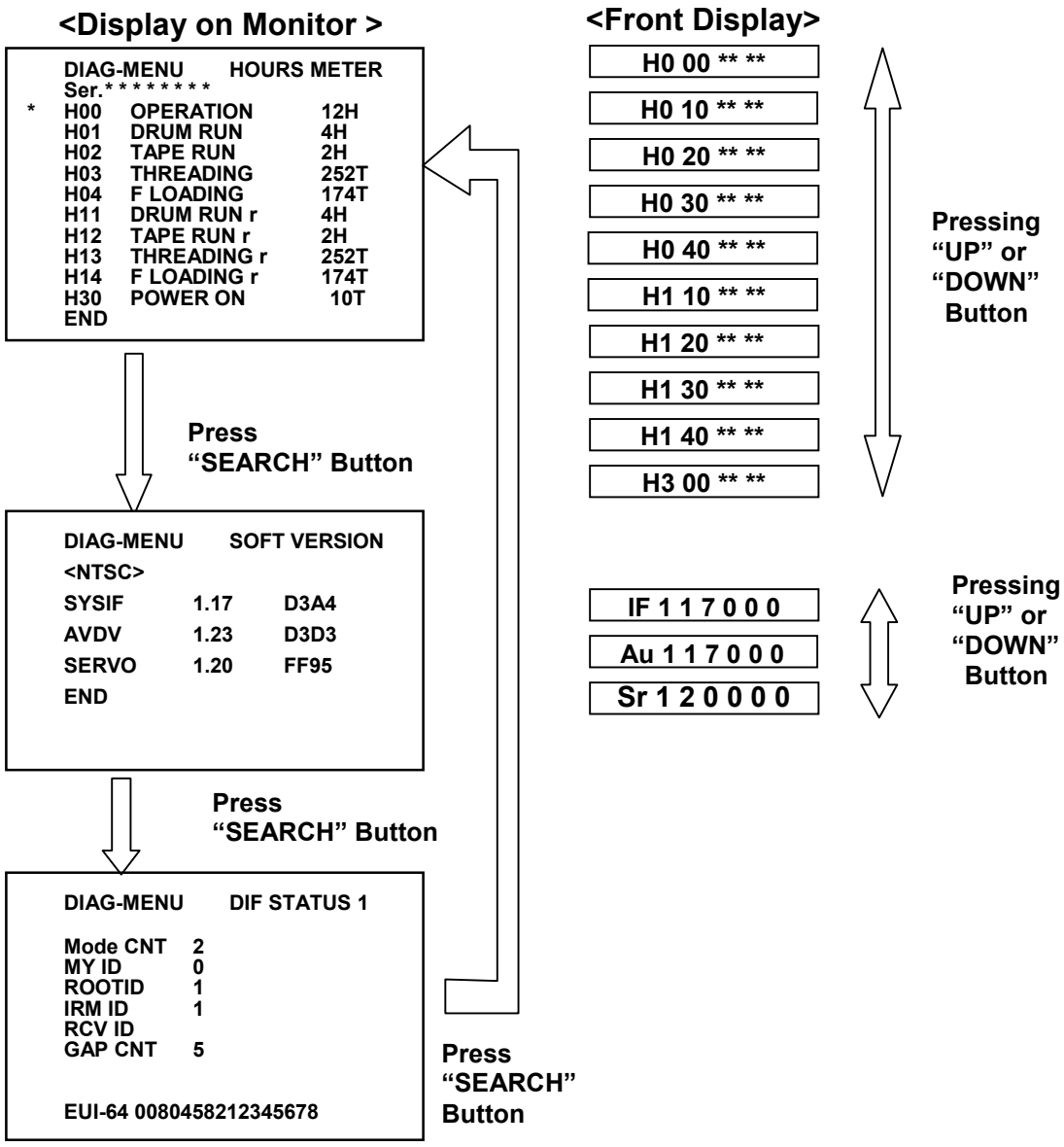
7. DIAG-MENU DISPLAY

The DIAG-MENU is the menu for investigating the status of the VTR, and it has the indicated information.

- Hour meter display (HOUR METER information)
- Software (Microcomputer) version display (SOFT VERSION information)
- DIF status and UID display (This information only displayed, when IEEE1394 IF Board (AJ-YAD120AG) has been installed.
- PLD version display (PLD VERSION information)

7-1. DIAG-MENU Operation Method

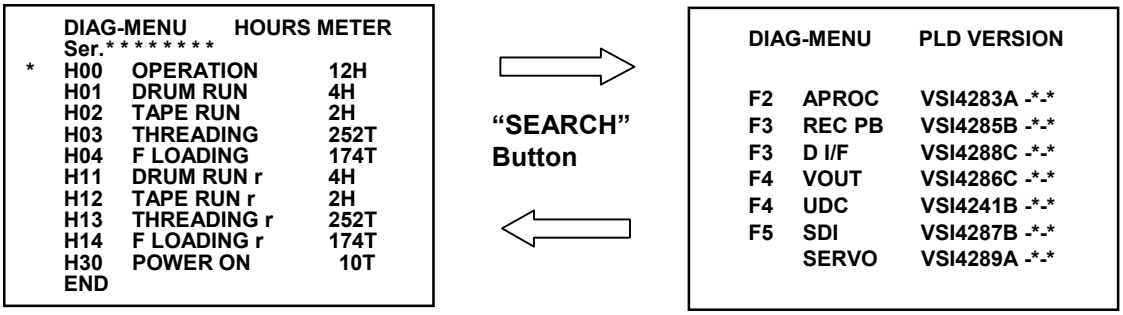
1. Press the **"EJECT"** button on the Front Panel and simultaneously set the **"LOCAL/MENU/REMOTE"** switch on the Front Panel to the **"MENU"** position so that the **"HOURS METER"** displays on the monitor and Front Display.
2. Press the **"SEARCH"** button so that the **"SOFT VERSION"** displays on the monitor TV and Front Panel.
3. Press the **"SEARCH"** button so that the **"DIF STATUS"** and **"UID Number"** are displayed on the monitor and Front Display.
4. Press the **"SEARCH"** button again then the display changes to the **"HOURS METER"** display.
5. The Diag Menu is closed by setting the **"LOCAL/MENU/REMOTE"** switch to the **"LOCAL"** or **"REMOTE"**.



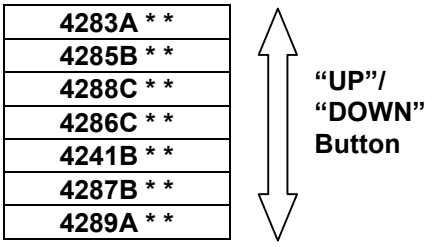
7-2. PLD Version Display

1. Turn on the VTR power.
2. Press the **"EJECT"** and **"STOP"** buttons, and simultaneously set the **"LOCAL/MENU/REMOTE"** to the **"MENU"** position.
3. Press the **"SEARCH"** Button in order to change to the **"PLD VERSION"** display.
4. When the **"LOCAL/MENU/REMOTE"** switch is set to the **"LOCAL2** or **"REMOTE"**, the VTR returns to the normal screen and display.

<Display on Monitor>

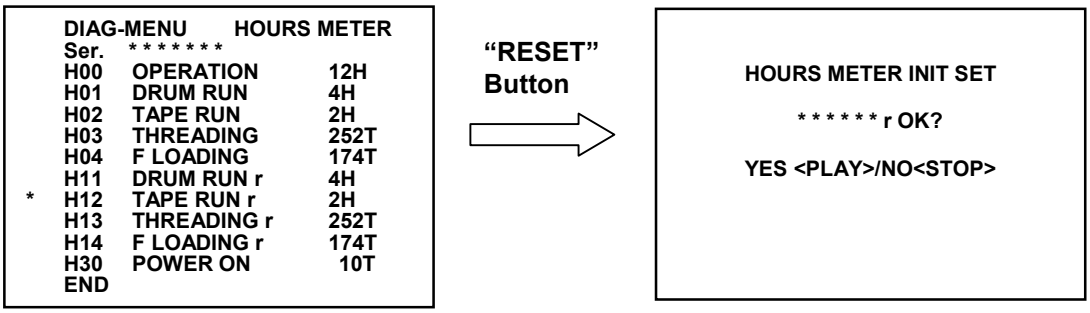


<Front Display>



7-3. Hours Meter Reset Procedure

1. Press the **"EJECT"** button on the Front Panel and simultaneously set the **"LOCAL/MENU/REMOTE"** switch on the Front Panel to the **"MENU"** position so that the **"HOURS METER"** displays on the monitor TV and Front Display.
2. The hours meter displays as shown below and then move the cursor **(*)** to the item with **"r"** to be reset.
3. Press the **"Reset"** button on the Front Panel so that the display changes as shown below.



4. When confirming the message **"* * * * * *r OK?"**, press the **"PLAY"** button on the Front Panel, the data (***H) for the item where the cursor is located will be reset.
5. When the **"LOCAL/MENU/REMOTE"** switch is set to the position except the **"MENU"**, the VTR returns to the normal screen and display.

8. Error Rate Display and Confirmation Method

8-1. On Track Error Rate Display Procedure

1. Turn off the VTR power and turn on Pin 2 of Dip switch (SW1) on the VOUT_SYS Board (F4).
2. Turn on the VTR power and set the "LOCAL/MENU/REMOTE" switch on the front panel to the "LOCAL" so that the VTR is in the Service Menu mode.
3. Connect a monitor to the Line Output so that the Service Menu can be confirmed.
4. Set "REC INHIBIT" on the front panel to "OFF".
5. Move the cursor (*) to the "RF ADJUST" by using the "UP" and "Down" Buttons, and then press the "MODE" button.
6. Move the cursor (*) to the "HDLP PB ADJUST" by using the "UP" and "Down" Buttons, and then press the "MODE" button.
7. Move the cursor (*) to the "ECC DISPLAY" by using the "UP" and "Down" Buttons, and then select "HEAD" and press the "MODE" button.
8. Move the cursor (*) to the "PB MODE" by using the "UP" and "Down" Buttons, and then select the HEAD to be displayed the error rate.
9. Each time when the "COUNTER" button on the front panel is pressed, the display mode will be changed. (Mode 1→Mode 2→Mode 3→ ---------- Mode 6→Mode 1)
10. The error rate display is cancelled when the" LOCAL/MENU/REMOTE" switch on the front panel is selected to the "LOCAL or REMOTE".

Display Mode		Segment Indication	Audio Indication			Indication Example		Indication Error Rate
			CH1	CH2	dB Indication			
Mode 1	VIDEO L	Video L	OFF	OFF	LIT		▮▮▮▮▮▮▮▮▮▮	VIDEO L HSW-H Inner
							▮▮▮▮▮	VIDEO L HSW-L Inner
Mode 2	VIDEO R	Video r	LIT	LIT	LIT	CH1	▮▮▮▮▮▮▮▮▮▮	VIDEO L HSW-H Inner
						CH2	▮▮▮▮▮	VIDEO L HSW-L Inner
Mode 3	AUDIO1 L	Audio1 L	LIT	OFF	LIT	CH1	▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
							▮▮▮▮▮	AUDIO L HSW-L Inner
Mode 4	AUDIO1 R	Audio1 r	OFF	LIT	LIT		▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
						CH2	▮▮▮▮▮	AUDIO L HSW-L Inner
Mode 5	AUDIO2 L	Audio2 L	OFF	OFF	FLASH		▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
							▮▮▮▮▮	AUDIO L HSW-L Inner
Mode 6	AUDIO2 R	Audio2 r	LIT	LIT	FLASH	CH1	▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
						CH2	▮▮▮▮▮	AUDIO L HSW-L Inner

Note: Since R Channel Head does not exist at the time of the “RP_L12” selection, the display in the mode 2, Mode 4 and Mode 6 is invalid.

Table 8-1-1

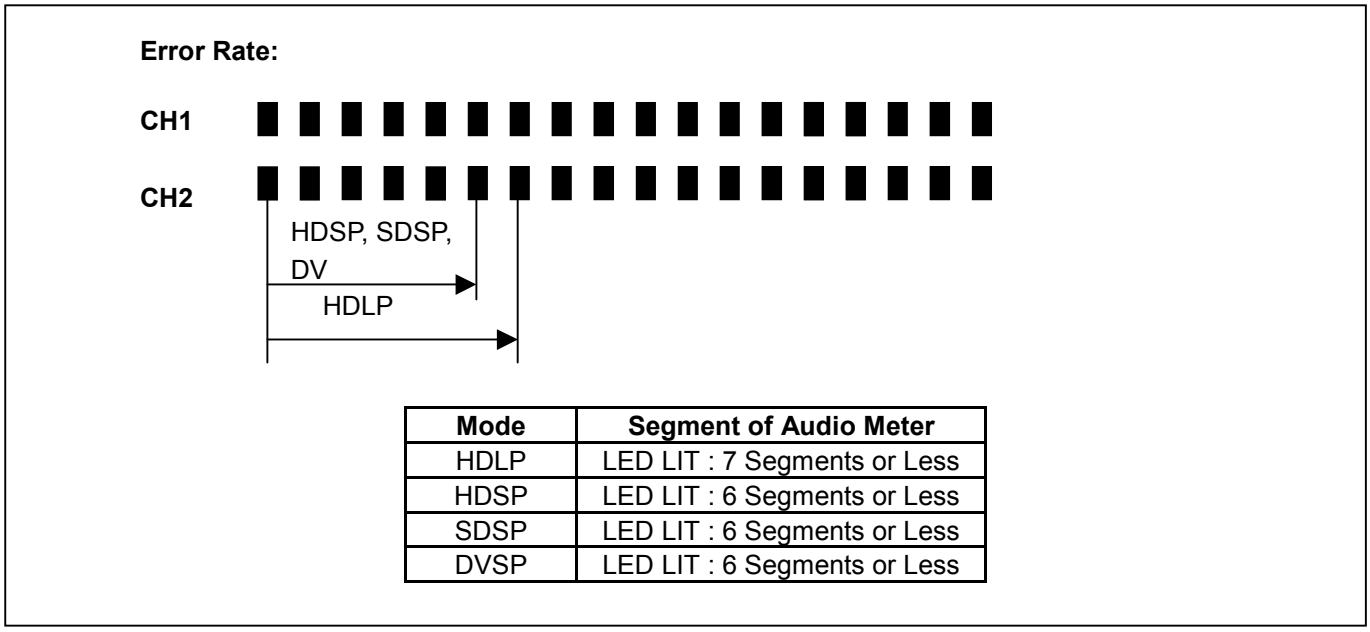
8-2. Non Track Error Rate Display Procedure (Total Error Rate/All Format)

1. Perform the steps 1 to 6 of “8-1. On Track Error Rate Display Procedure”.
2. Move the cursor **(*)** to the **“ECC DISPLAY”** by using the **“UP”** and **“Down”** Buttons, and then select **“NORMAL”** and press the **“MODE”** button.
3. The Video and Audio can be selected by pressing the **“COUNTER”** switch.
4. Each time when the **“COUNTER”** button on the front panel is pressed, the display mode will be changed from the mode 1 to 2 and 2 to 1.
5. The error rate value can be confirmed as shown figure 8-1-3.
6. The error rate display is cancelled when the” **LOCAL/MENU/REMOTE**” switch on the front panel is set to the **“LOCAL”** or **“REMOTE”**.

Display Mode		7 Segment Indication	Audio Indication			Indication Example		Indication Error Rate
			CH1	CH2	dB Indication			
Mode 1	VIDEO	Video	OFF	OFF	LIT		▮▮▮▮▮▮▮▮▮▮	VIDEO Lch Total
							▮▮▮▮▮	VIDEO Rch Total
Mode 2	AUDIO	Video r	LIT	LIT	LIT	CH1	▮▮▮▮▮▮▮▮▮▮	AUDIO Lch Total
						CH2	▮▮▮▮▮	AUDIO Rch Total

Table 8-1-2

8-3. Error Rate Display on Audio Level Meter



Mode	Segment of Audio Meter
HDLP	LED LIT : 7 Segments or Less
HDSP	LED LIT : 6 Segments or Less
SDSP	LED LIT : 6 Segments or Less
DVSP	LED LIT : 6 Segments or Less

Figure 8-1-3

9. SOFTWARE VERSION UPGRADE METHOD

This VTR uses built-in Flash ROM Microcomputers (CPU) and FPGA, CPLD IC's.
At the time of a version upgrade, use the version up tool, cables and software as shown in table 9-1.

Board	IC Type	IC Name	Name of Manufacture	Version Up Tool	Version Up Software	Version Up Procedure
REC/PB	CPU (FLASH)	AV/DV	Mitsubishi	VFK1304A	VFK1248M or higher	9-1-2
	FPGA (PLD)	REC/PB	ALTERA	VFK1304A	VFK1248M or higher	9-1-3
	PLD	REC/PB	LATTICE	VFK1590	*ispVM	9-2-3
V_OUT/SYS	CPU (FLASH)	SYS/IF	MITUBISHI	VFK1304A	VFK1248M or higher	9-1-2
	FPGA (PLD)	VOUT	XILNX	VFK1304A	VFK1248M or higher	9-1-3
SERVO	CPU (FLASH)	SERVO	Panasonic	VFK1304A	VFK1248M or higher	9-1-2
	PLD	SERVO	XILINX	VFK1590	*iMPACK	9-2-4
APROC	FPGA (PLD)	APROC	ALTERA	VFK1590	*Max Plus II	9-2-2
1394 IF (AJ-YAD120AG)	CPU (FLASH)	DIF	Mitsubishi	VFK1304A	VFK1248M or higher	9-1-2
	FPGA (PLD)	1394 IF	XILINX	VFK1590	VFK1879	9-2-5
SGEN/SDI (AJ-YA120AG)	FPGA (PLD)	SDI	ALTERA	VFK1590	*Max Plus II	9-2-2
UDC(IP_CONV) (AJ-YA120AG)	FPGA (PLD)	UDC	ALTERA	VFK1590	*Max Plus II	9-2-2

<Note> 1. The Version Up Software name with (*) should be downloaded from the manufacture's Web site.

Table 9-1

9-1. Flash ROM (Microcomputer) and PLD Version Upgrade by Flash Memory Version Up Tool (VFK1304A)

<Note>

This software will not function using Windows XP, 2000, or ME. You must use either Windows 95® or Windows 98® software to operate this Flash Memory Version Upgrade.

9-1-1. Preparations for the Version Upgrade

1. Items required for flash memory writing

Version Upgrade Software .....**VFK1248M or higher**

VFK1248M consist of 4 type of software as shown below.

- · VSI2312M.exe
- · f_servo.obf
- · FW103u.exe
- · Setting.ini

Personal Computer : WINDOWS95/98

RS-232C Cable (D-sub 25pin-25 pin cross cable or D-sub 9 pin-25 pin cross cable)

Flash Memory Version Up Tool.....**VFK1304A**

2. Switch setting of the flash memory version upgrade jig

Confirm that the switch settings for the "flash memory version up tool (VFK1304A)" are as shown below.

SW1-1: ON **SW1-3: OFF**
SW1-2: ON **SW1-4: OFF**

3. Connection

1. Connect the Flash Memory Version Up Tool (VFK1304A) with Personal Computer (MS-DOS, Windows 95® or 98®) by RS-232C cross cable as shown in figure 9-1A-1.
2. Connect the flexible cable from the Flash Memory Version Up Tool to the connector on the board to be version upgraded as shown in figures 9-1A-1 and 9-1A-3.
3. Turn on the VTR power and Personal Computer power.
4. Copy the Program Data software as shown table 9-1A-2 into the personal computer.

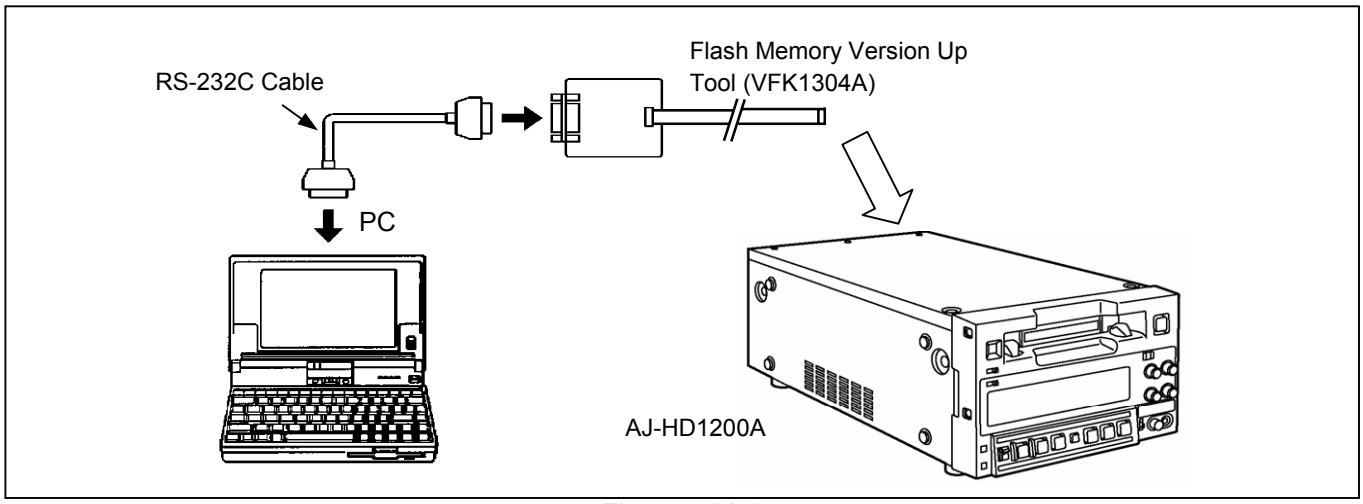


Figure 9-1A-1

No	Board [Slot No.]	IC Name (Type)	Ref. No.	Connector	Part No. For Program Software [Version/Check Sum]
1	REC_PB [F3]	AV_DV Microcomputer (Flash)	IC652	P651	VVVSI4335A [Ver. 1.36 / CAOE]
		REC_PB (A), (PLD)	IC53, IC300		VVVSI4284D
2	VOUT/SYS [F4]	SYS_IF Microcomputer (Flash)	IC500	P501	VVVSI4336A [Ver. 1.27 / 8840]
		VOUT (PLD)	IC600		VVVSI4286D
3	SERVO [Under Mech] (RF_EQ:[F1])	SERVO Microcomputer (Flash)	IC302	P300 on SERVO Board or P3 on RF_EQ	VVVSI4281A [Ver. 1.21 / E970]
4	1394 IF [F3] (AJ-YAD120AG)	1394 IF Microcomputer (Flash)	IC50	P2	VVVSI4282D [Ver. 1.32 / 0677]

* The part number for latest program software can be confirmed by the Web site.

Table 9-1A-2

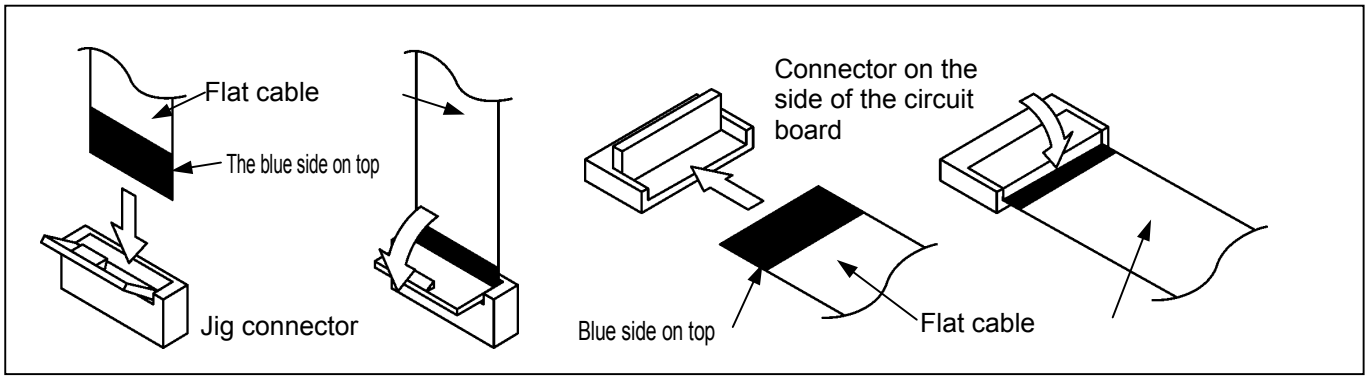
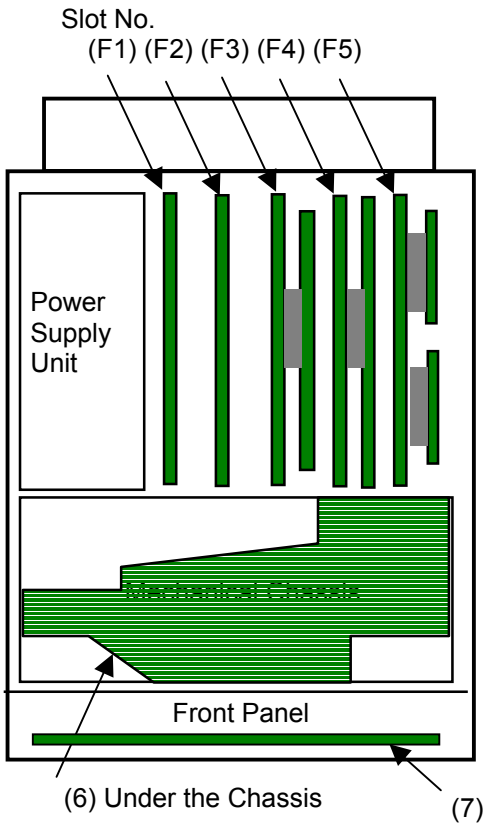


Figure 9-1A-3

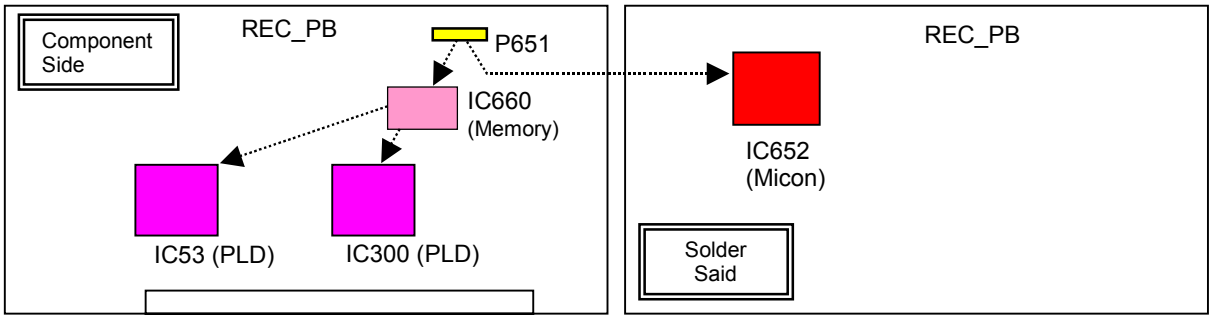
<BOARD LOCATION>



(F1) RF/EQ Board
(F2) A_PROC Board
(F3) REC_PB Board
1394 IF Board
(F4) UDC Board
V_OUT/SYS Board
(F5) SGEN/SDI Board
SDI TX Board,
SDI RX Board
(6) SERVO Board
(7) FRONT Board

Figure 9-1A-4

(F3-1) REC_PB BOARD



1. : Communication Connector.
2. : Built-in Flash ROM Microcomputer.
3. : Data Memory IC.
   (Memory data is transmitted to the IC's ( ), when turn on the VTR power.)
4. : FPGA IC.
5. After replacing the IC ( ) or ( ), the program software should be written.
6. After replacing the microcomputer ( ), the program writing is not necessary.

Figure 9-1A-5

(F3-2) 1394 IF BOARD

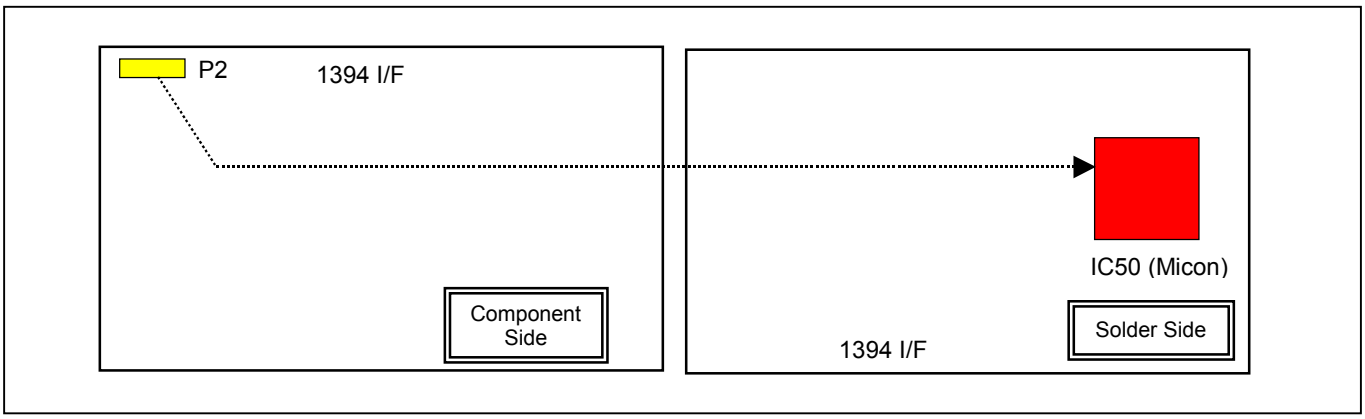
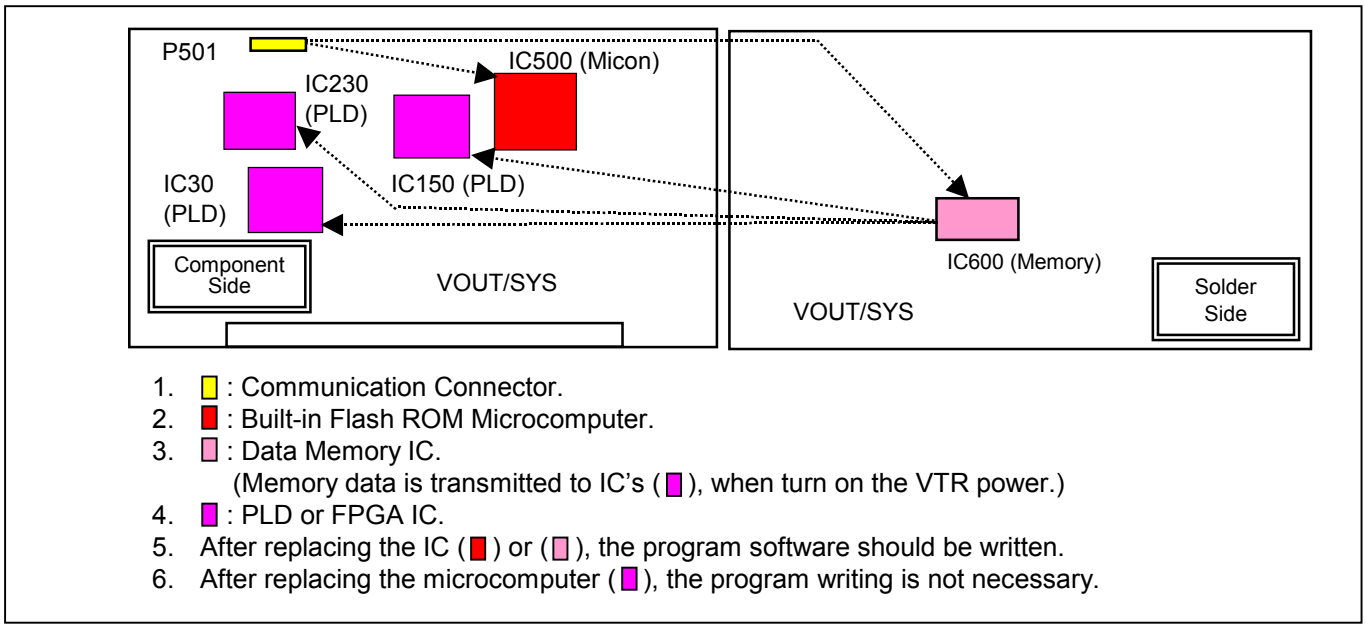


Figure 9-1A-6

(F4) VOUT/SYS BOARD



1. : Communication Connector.
2. : Built-in Flash ROM Microcomputer.
3. : Data Memory IC.
   (Memory data is transmitted to IC's ( ), when turn on the VTR power.)
4. : PLD or FPGA IC.
5. After replacing the IC ( ) or ( ), the program software should be written.
6. After replacing the microcomputer ( ), the program writing is not necessary.

Figure 9-1A-7

(6) SERVO BOARD

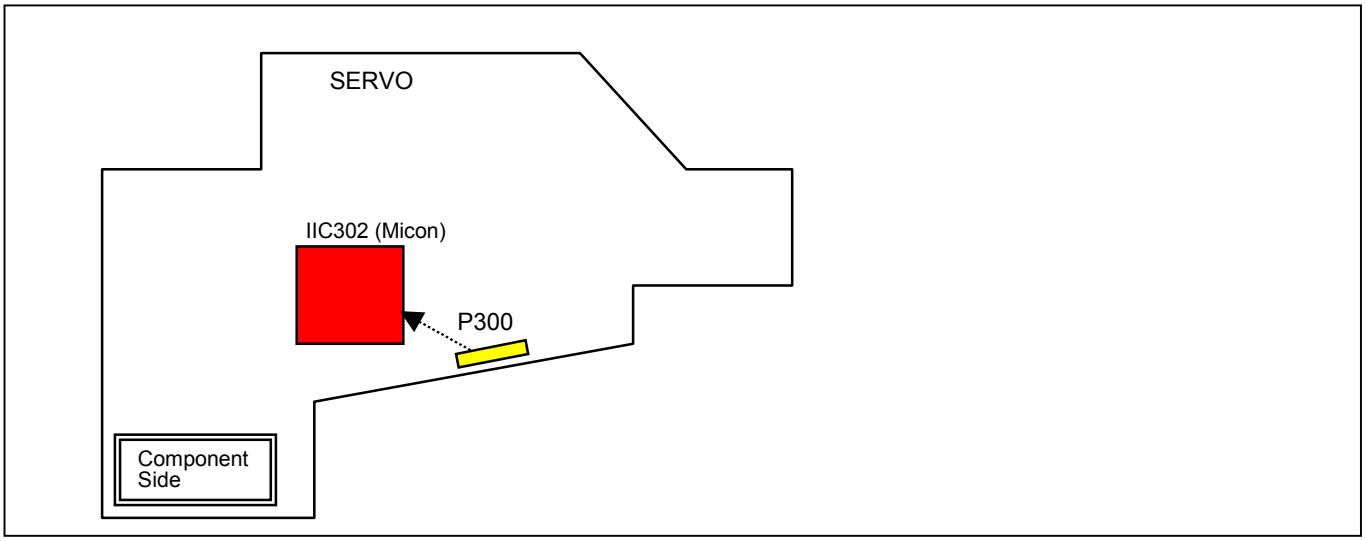


Figure 9-1A-8

9-1-2. Microcomputer Flash ROM Version Upgrade Procedure (1)

<AV_DV, SYS_IF and 1394 IF Microcomputer>

1. Copy the program software for the AV_DV, SYS_IF and 1394 IF as shown in the table 9-1A-2 into the personal computer.
2. Turn on the VTR power.
3. Execute the VSI2312M. exe so that the following screen appears.
4. Select the CPU (Microcomputer) sheet as shown in figure 9-1B-1.

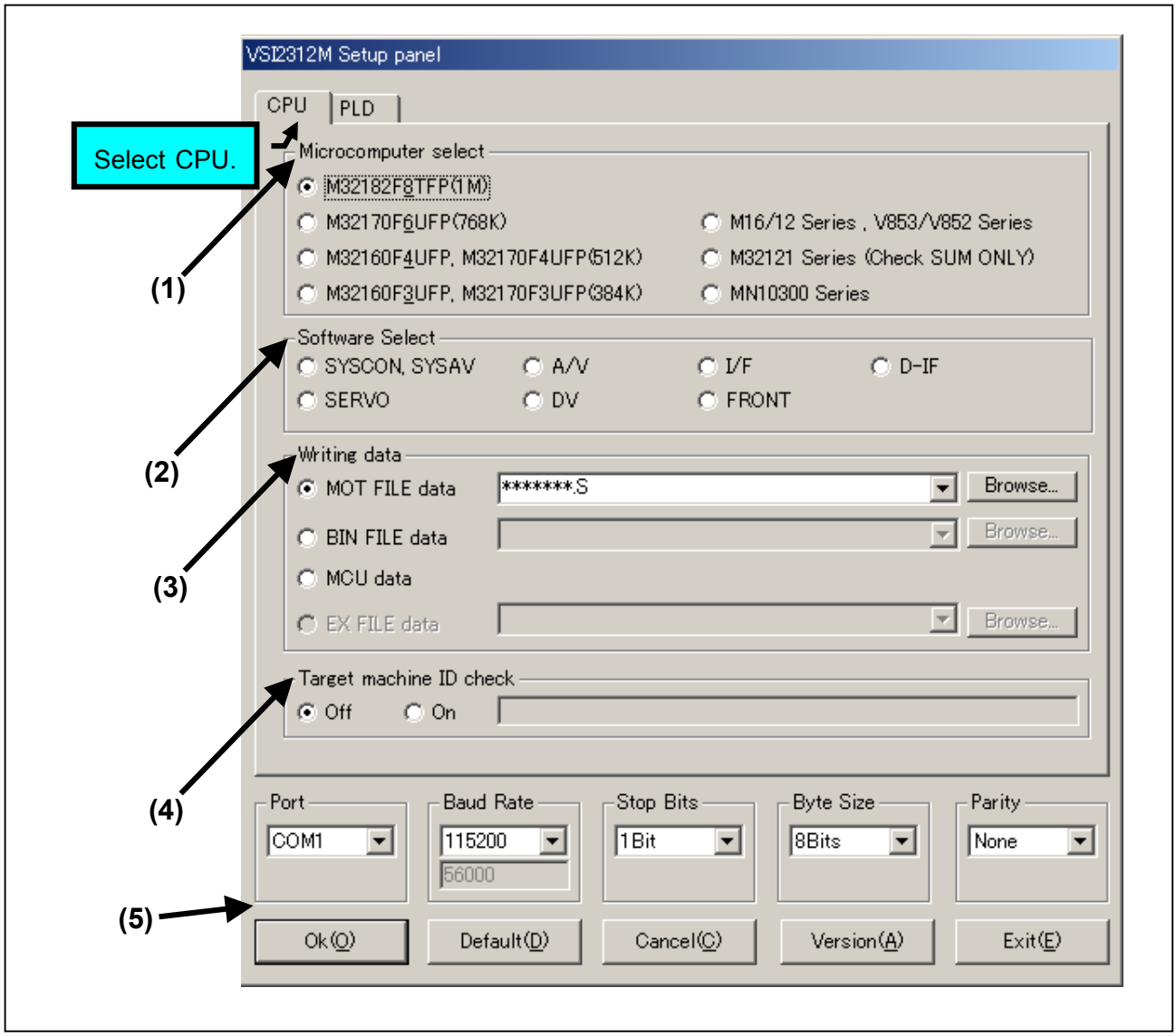


Figure 9-1B-1

5. Select the each item on the Setup Panel as shown in the table 9-1-10.

Board Name (Slot No.)	**(1) Microcomputer Select**	**(2) Software Select**	**(3) Writing data**		**(4) Target machine ID check**
			FILE data	FILE Extension	
REC_PB Board AV_DV (F3)	M32182F8TFP(1M)	Don't select any one.	MOT	.mot or s	off
VOUT/SYS Board SYS_IF (F4)	M32182F8TFP(1M)		MOT	.mot or s	off
1394 IF Board DIF (F3)	M32170F4UFP(512K)		MOT	.mot	off

(5) Setting for PC	Port	COM1	Baud Rate	115200
	Stop Bits	1Bit	Byte size	8Bits
	Parity			

* The numbers (1) – (5) in the above tables show the number in figure 9-1B-1 (Setup Panel).

Table 9-1B-2

6. Press **"OK"** button so that the following screen appears and check sum is calculated.
7. Press **"Start"** button so that the software programming will start.

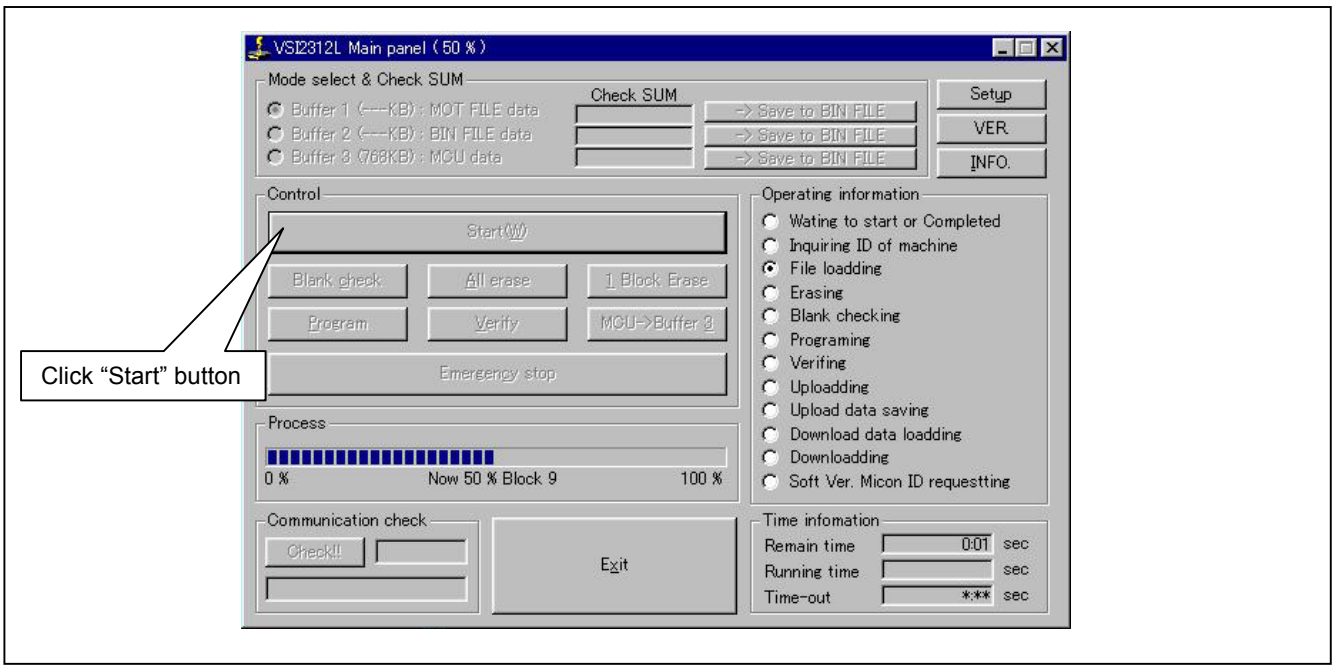


Figure 9-1B-3

8. Confirm the bar in the Process window reach to 100% that means the software programming complete as shown in figure 9-1B-4.

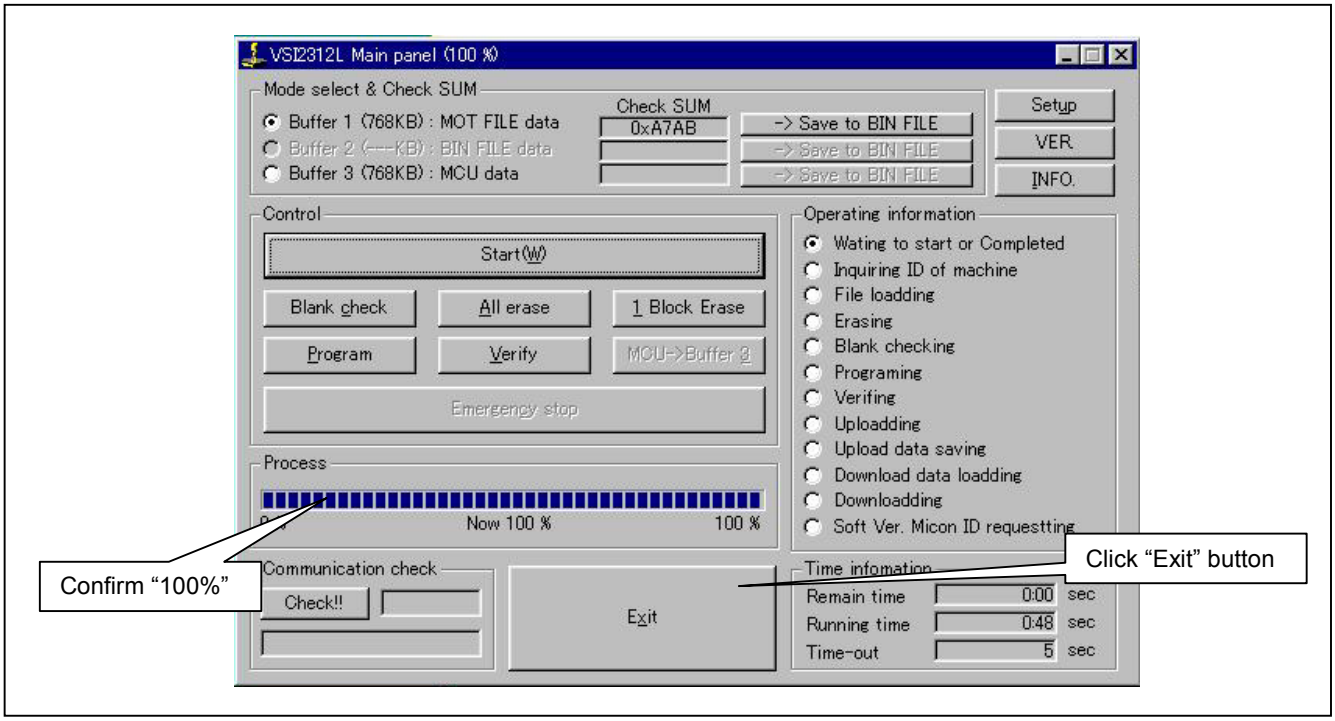


Figure 9-1B-4

9. Press **"Exit"** button to end the program.
   * If the error occurs during above process, repeat the process from step 8 again.
10. Turn the power of the VTR off and then on. This will reboot the VTR.
11. Confirm that software version is updated.

9-1-3. Microcomputer Flash ROM Version Upgrade Procedure (1)

< SERVO Microcomputer >

1. Copy the Servo program software as shown in table 9-1A-2 into the personal computer.
   For your reference, an extension of Servo program software is different from others such as AV_ DV, SYS_IF and 1394 IF.
2. Turn on the VTR power.
3. Execute the VSI2312M. exe so that the screen as shown in figure 9-1C-1 appears and then select the **"CPU"** sheet.

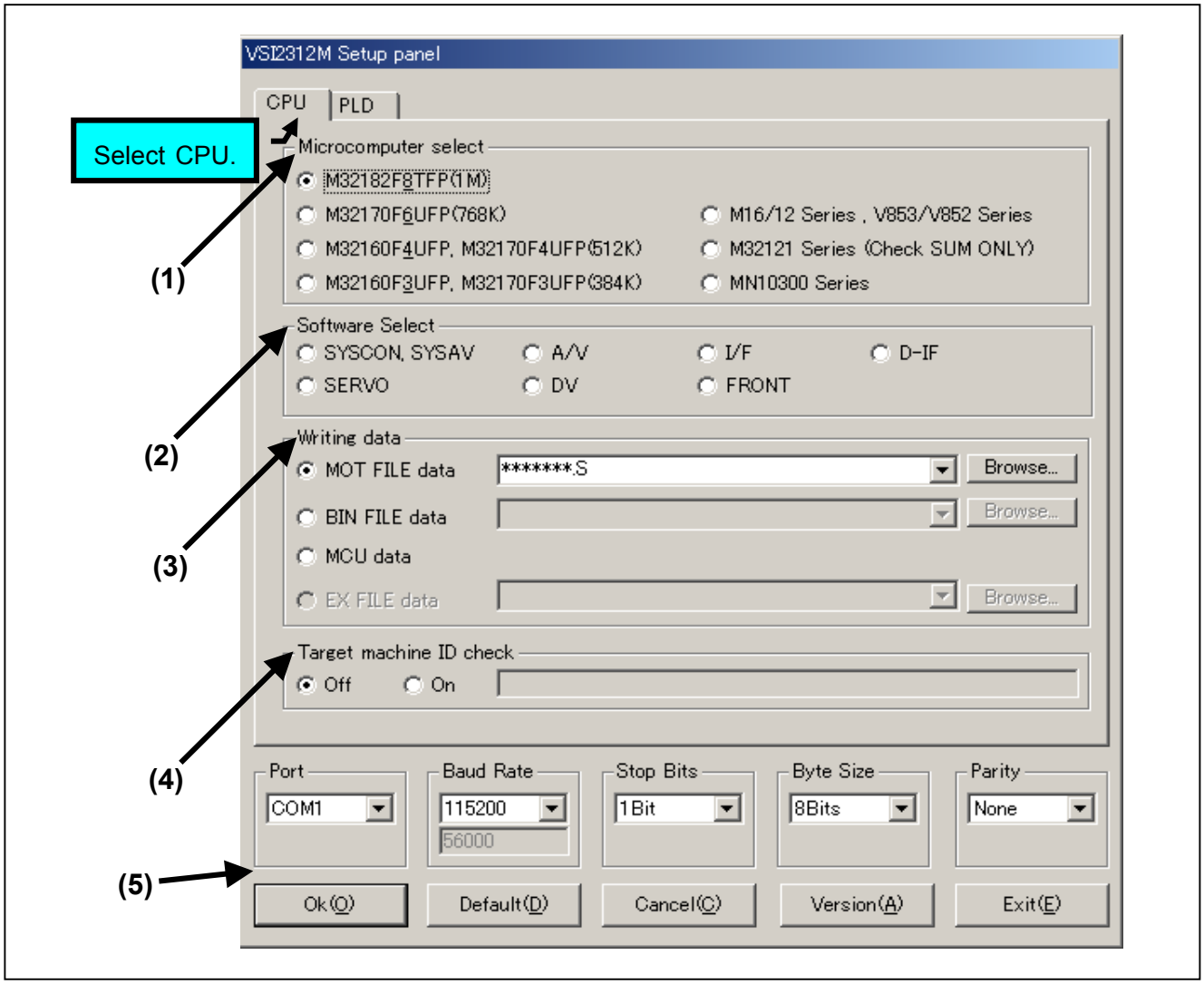


Figure 9-1C-1

4. Select the each item on the Setup Panel as shown in the table 9-1C-2.

Board Name **Name of Microcomputer**	**(1) Microcomputer Select**	**(2) Software Select**	**(3) Writing data**		**(4) Target machine ID check**
			FILE data	FILE Extension	
SERVO Board SERVO (Under Mech)	MN10300 Series	Don't select any one.	EX	.ex	off

(5) Setting for PC				
	Port	COM1	Baud Rate	115200
	Stop Bits	1Bit	Byte size	8Bits
	Parity	None		

* The numbers (1) – (5) in the above tables show the number in figure 9-1C-1 (Setup Panel).

Table 9-1C-2

5. Press **"OK"** button so that the following screen appears and Check sum is not calculated.

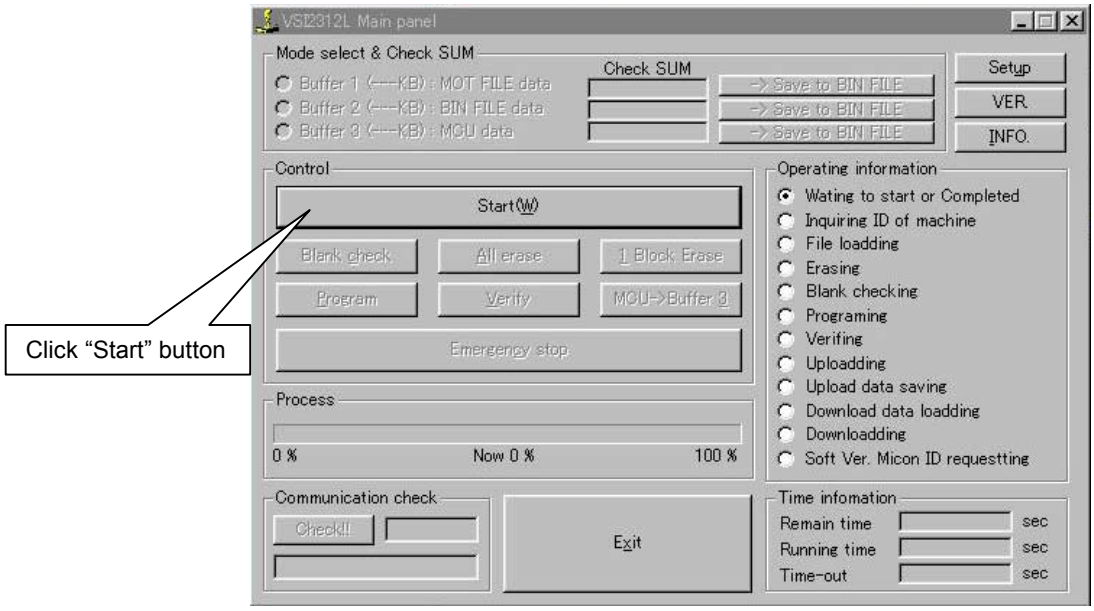


Figure 9-1C-3

6. Click **"Start"** button as shown in figure 9-1C-3 so that the following comment appears in the MS DOS screen.
   Do you continue? Y/N>

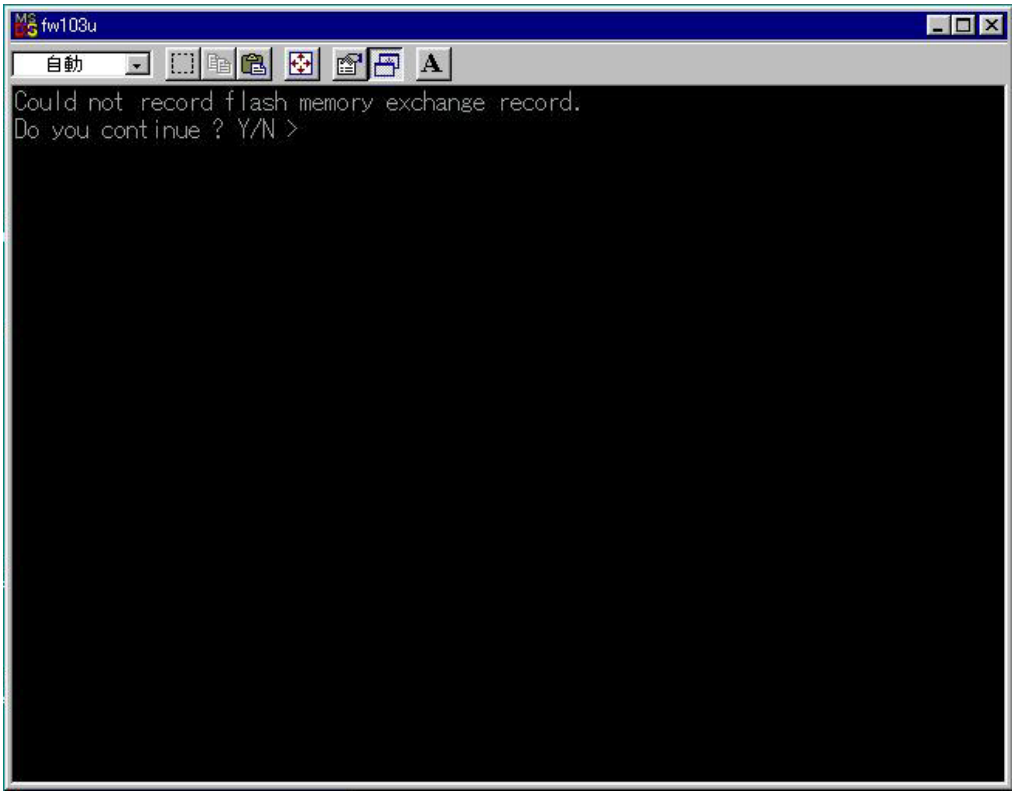


Figure 9-1C-4

7. Select **"Y"** and press **"Enter"**, then the program will start.

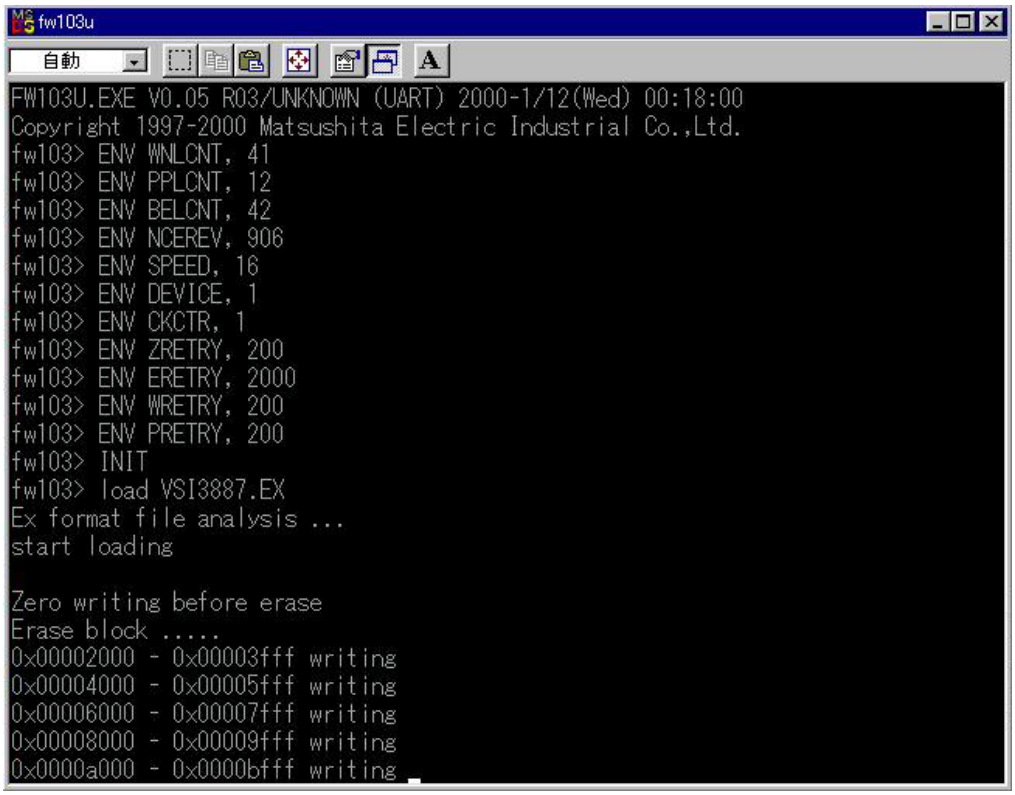


Figure 9-1C-5

8. The screen display of MS-DOS changes to Windows screen after the programming complete.
9. Press **"Exit"** button to end the program.
10. Turn the power of the VTR off and then on. This will reboot the VTR.
11. Confirm that software is updated.

9-1-4. PLD Version Upgrade Procedure

< REC_PB (A) and VOUT PLD >

1. Copy the program software for the REC_PB (A) and VOUT PLD as shown in the table 9-1A-2 into the personal computer.
2. Turn on the VTR power.
3. Execute the VSI2312M. exe so that the following screen appears.
4. Select the PLD sheet as shown in figure 9-1D-1.

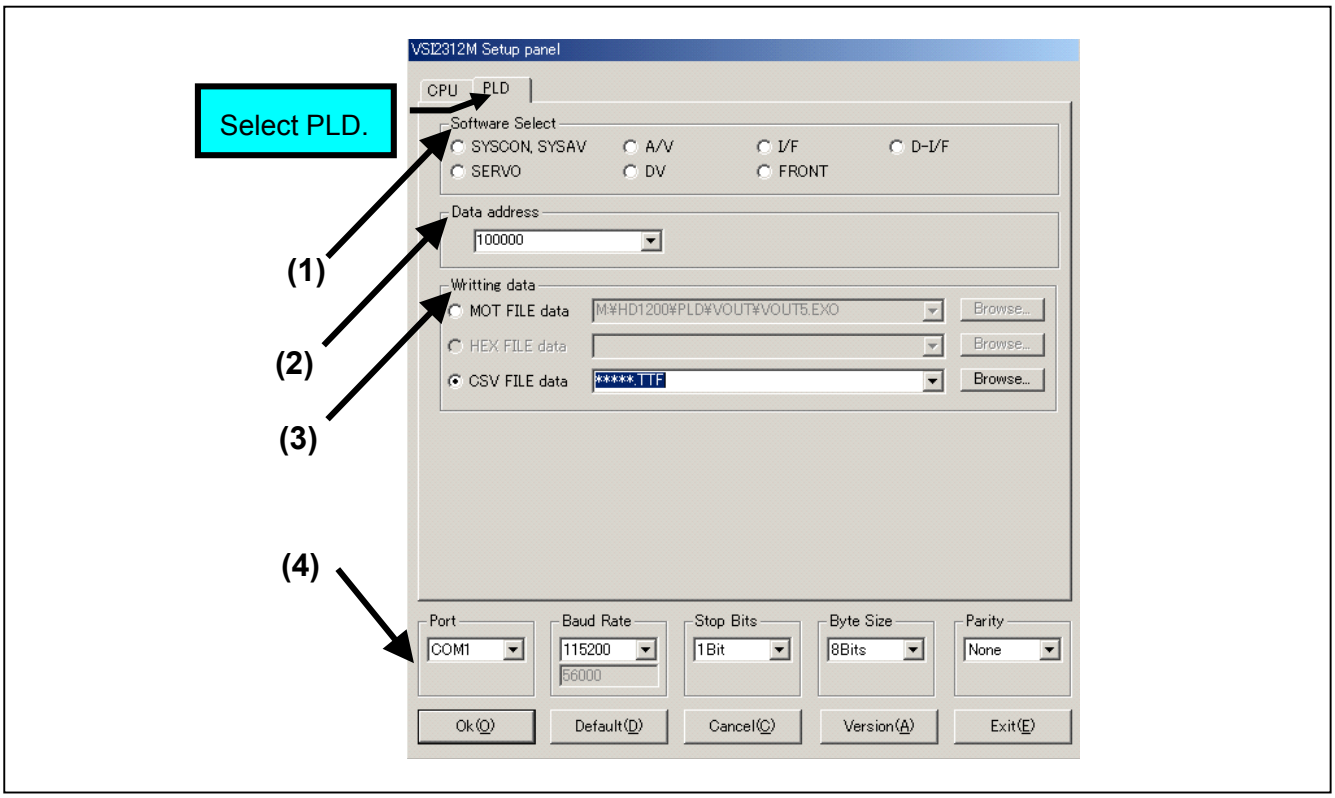


Figure 9-1D-1

5. Select the each item on the Setup Panel as shown table 9-1-19.

Boad Name **Name of Microcomputer** **(Slot No.)**	**(1) Microcomputer Select**	**(2) Software Select**	**(3) Writing data**	
			MOT FILE data	**CSV FILE data**
REC_PB Board AV/DV (F3)	Don't select any one.	100000	CSV	.ttf
VOUT/SYS Board SYS/IF (F4)		200000	MOT	.exo

(4) Setting for PC	Port	COM1	Baud Rate	115200
	Stop Bits	1Bit	Byte size	8Bits
	Parity	None		

* The numbers (1) – (4) in the above tables show the number in figure 9-1D-1 (Setup Panel).

Table 9-1D-2

6. Click **"OK"** button so that the following screen appears and check sum is calculated.
7. Click **"Start"** button so that the software programming will start.

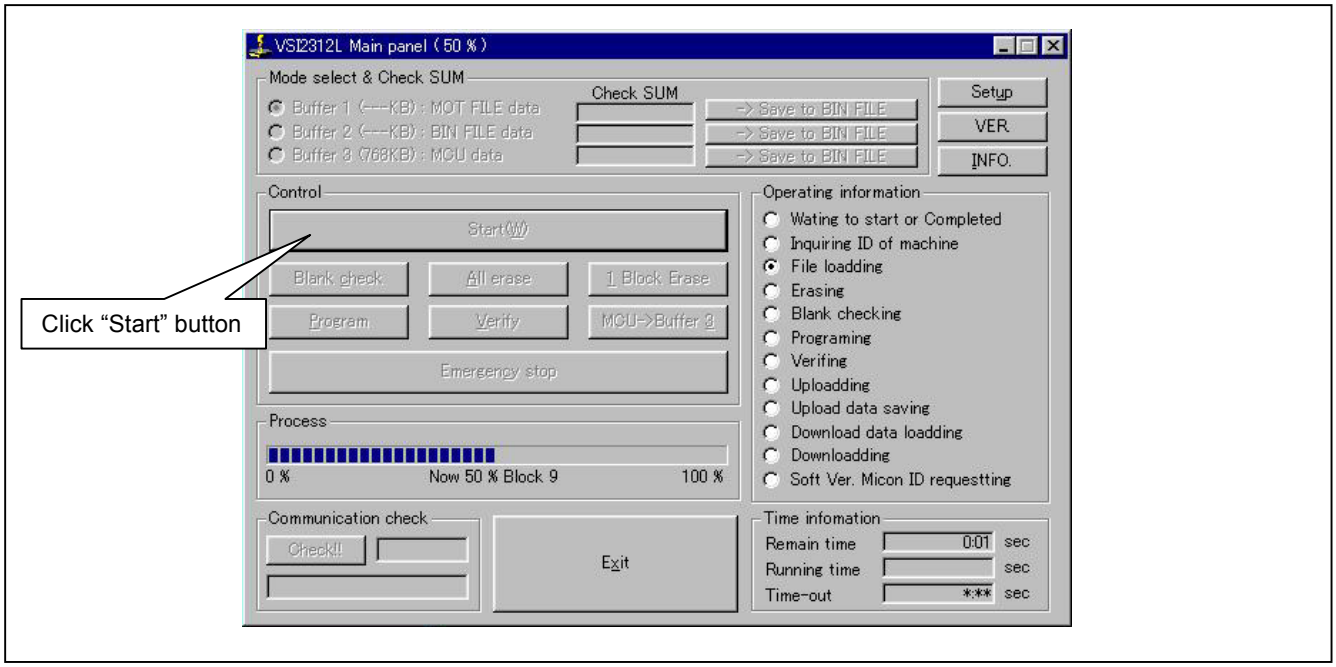


Figure 9-1D-3

8. Confirm the bar in the Process window reach to 100% that means the software programming complete as shown in figure 9-1D-4.

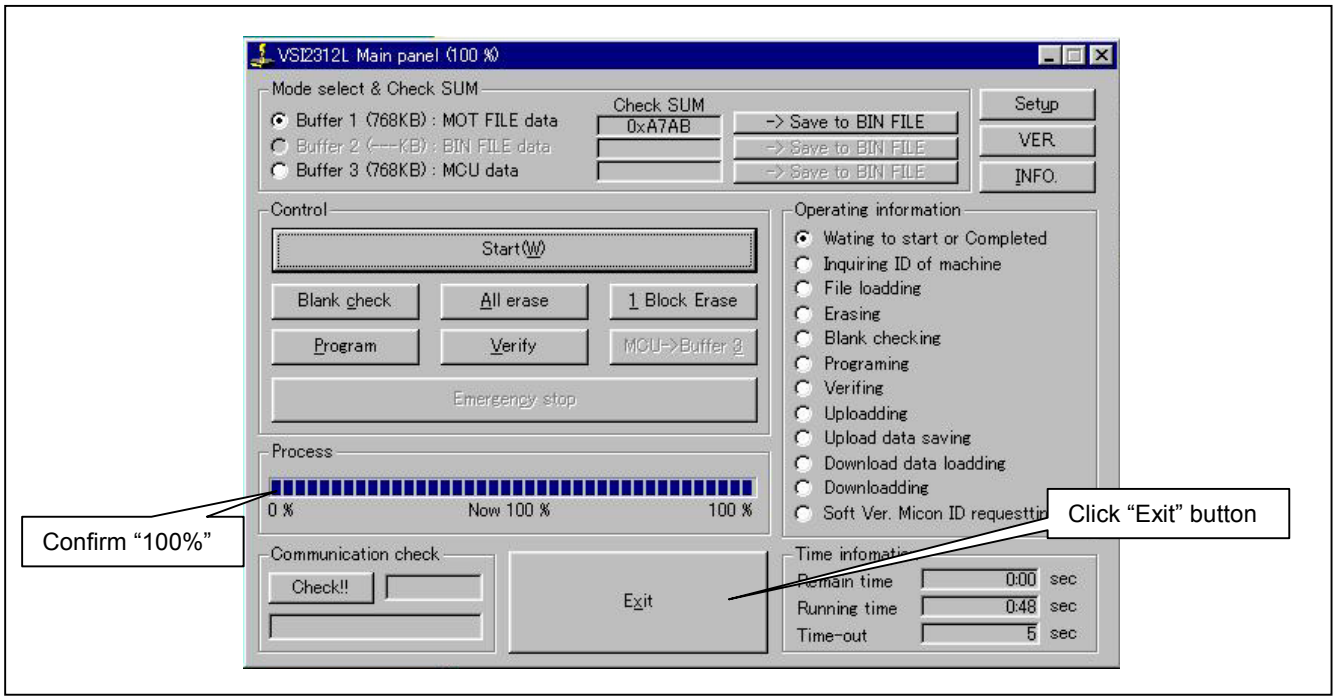


Figure 9-1D-4

9. Click **"Exit"** button to end the program.
   * If the error occurs during above process, repeat the process from step 8 again.
10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that the software version is updated.
12. Turn off the VTR power and remove the Flash memory version up tool and cables.

9-2. CPLD Version Upgrade by CPLD Writer (VFK1590)

9-2-1. Connection

1. Connect the D-sub cable between the CPLD writer and personal computer as shown in figure 9-2A-1. The reference number of D-sub connector can be referred by table 9-2A-2.
2. Connect the CPLD writer cable to the connector on the CPLD writer (VFK1590) as shown in figure 9-2A-1. The part number of cable and reference number of connector can be referred by table 9-2A-2.

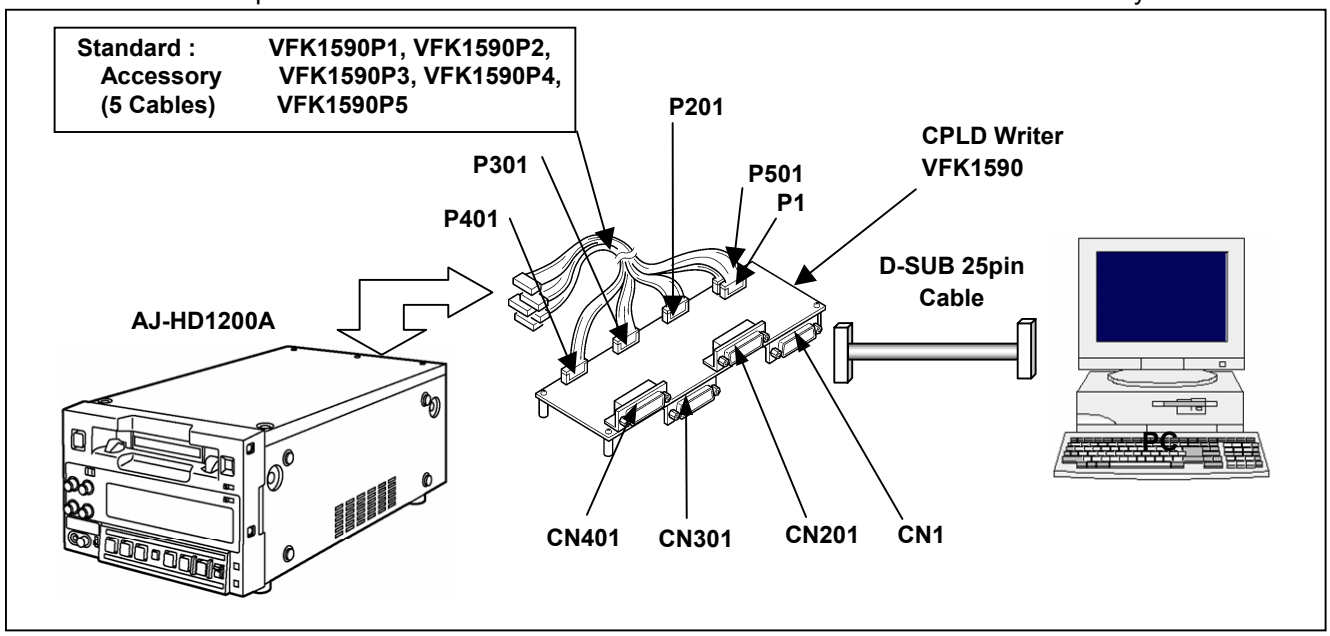


Figure 9-2A-1

IC Manufacture	Connection Between PC / CPLD Writer		Connection Between CPLD Writer / Board	
	Connection Cable	Connector Ref.	Connection Cable	Connector on CPLD Writer
VANTICE	D-SUB 25pin Straight Cable	CN1	VFK1590P1	P1
ALTERA		CN201	VFK1590P2	P201
LATTICE		CN301	VFK1590P3A	P301
XILINX		CN401	VFK1590P4	P401
PHILIPS		CN1	VFK1590P5	P501

* VFK1590P3A is not standard accessory of VFK1590.
▭ : The CPLD which has been used in this VTR.

Table 9-2A-2

3. Connect the PLD writer cable from the PLD writer to the connector on the Board to be upgraded as shown in the table 9-2A-3.
4. Turn on the VTR power and Personal Computer.

Board [Slot No.]	Name of IC	IC Manufacture	Writing Tool	Version Up Software
PROC [F2]	APROC PLD	ALTERA	VFK1590 (CPLD Writer)	Max+plus II
EC_PB [F3]	REC_PB(B) PLD	LATTICE		ispVM System
ERVO [Under Mech]	SERVO PLD	XILINX (1)		Webpack
GEN_SDI [F5] (Option: AJ-YA120AG)	SDI PLD	ALTERA		Max+plus II
DC [F5] (Option: AJ-YA120AG)	UDC PLD	ALTERA		Max+plus II
IF [F3] (Option: AJ-YAD120AG)	1394 PLD	XILINX (2)		VFK1879

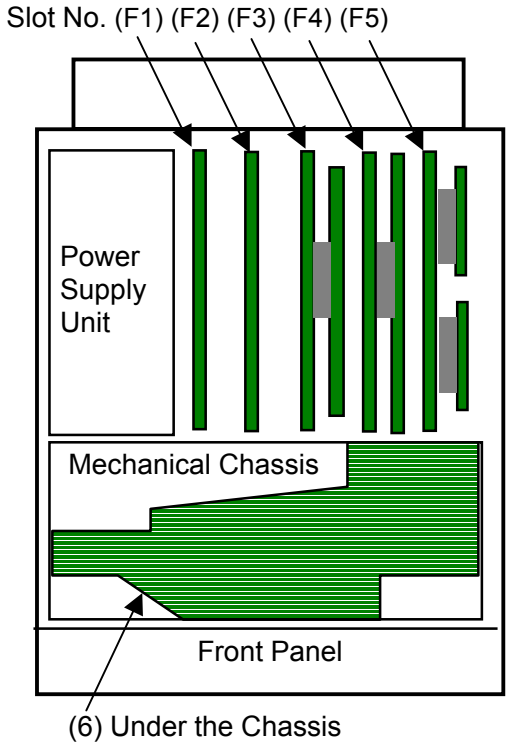
Table 9-2A-3

Board [Slot No.]	Name of PLD	Manufacture	IC Ref, No.	Ref. No.	Data Part No.
APROC [F2]	APROC PLD	ALTERA	IC7	P4002	VVVSI4283A
REC_PB [F3]	REC_PB(B) PLD	LATTICE	IC450, IC551, IC557	P3	VVVSI4285B
SERVO [Under Mech]	SERVO PLD	XILINX	IC350	P350	VVVSI4289A
SGEN_SDI [F5] (Option: AJ-YA120AG)	SDI PLD	ALTERA	IC613	P3	VVVSI4287B
UDC [F5] (Option: AJ-YA120AG)	UDC PLD	ALTERA	IC340, IC600	P700	VVVSI4241B
1394 IF [F3] (Option: AJ-YAD120AG)	1394 PLD	XILINX	IC503 (IC450,IC150)	P500	VVVSI4288C

* The part number of latest version of program software can be confirmed by the Web

Table 9-2A-4

<BOARD LOCATION>



(F1) RF/EQ Board

(F2) A_PROC Board

(F3) REC_PB Board
1394 IF Board (AJ-YAD120AG)

(F4) UDC Board (AJ-YA120AG)
V_OUT/SYS Board

(F5) SGEN/SDI Board (AJ-YA120AG)
SDI TX Board, SDI RX Board
(AJ-YA120AG)

(6) SERVO Board

Figure 9-2A-5

(F2) A PROC BOARD

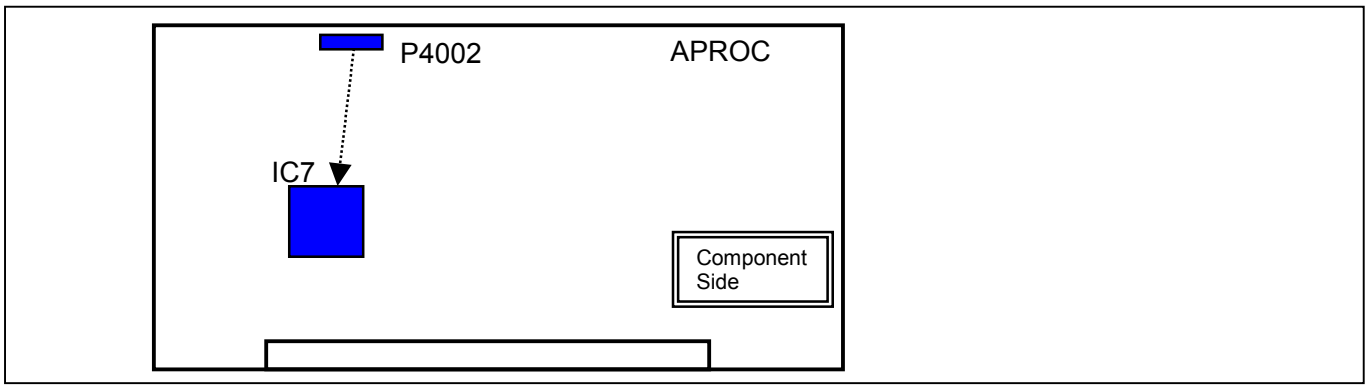


Figure 9-2A-6

(F3) REC PB BOARD

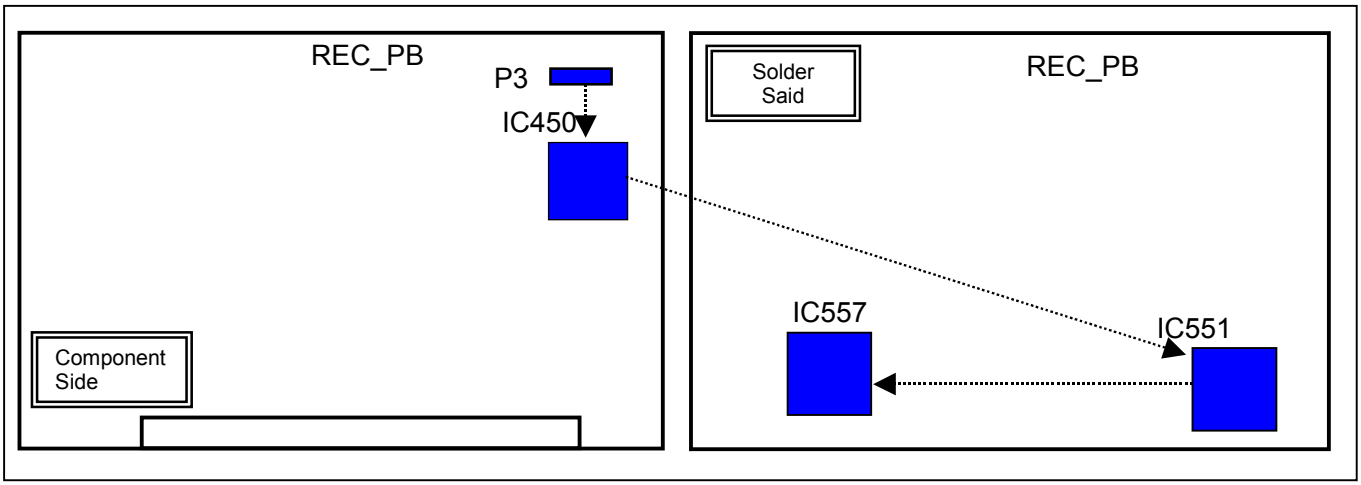


Figure 9-2A-7

(F3) 1394 IFBOARD

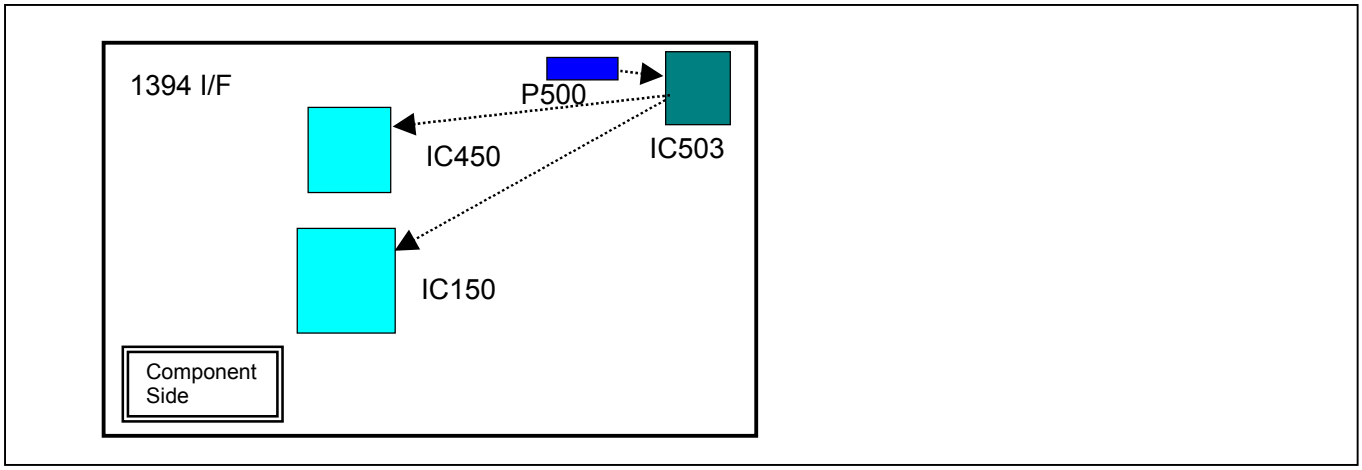


Figure 9-2A-8

(F4) UDCBOARD

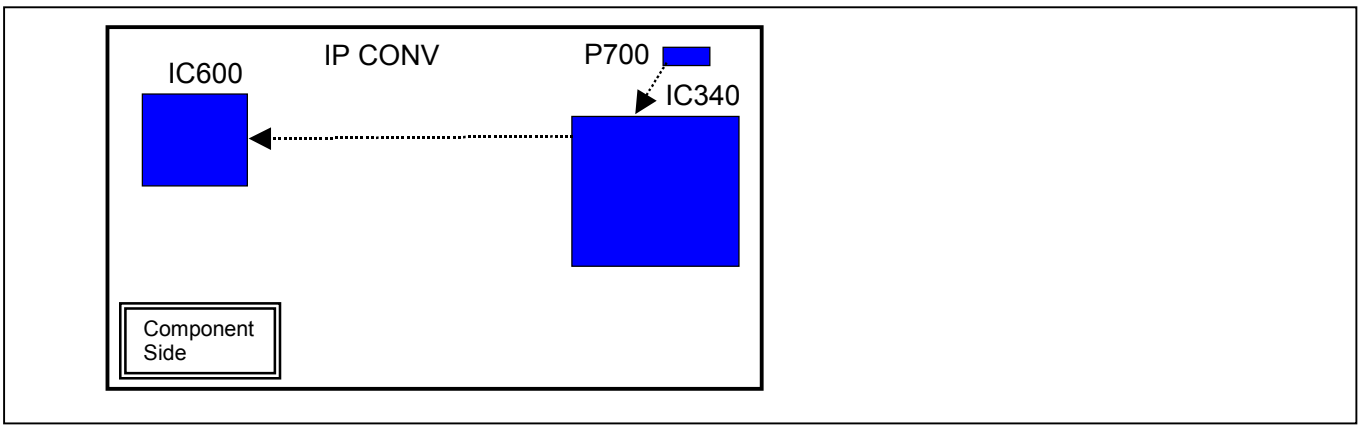


Figure 9-2A-9

(F5) SGEN SDI BOARD

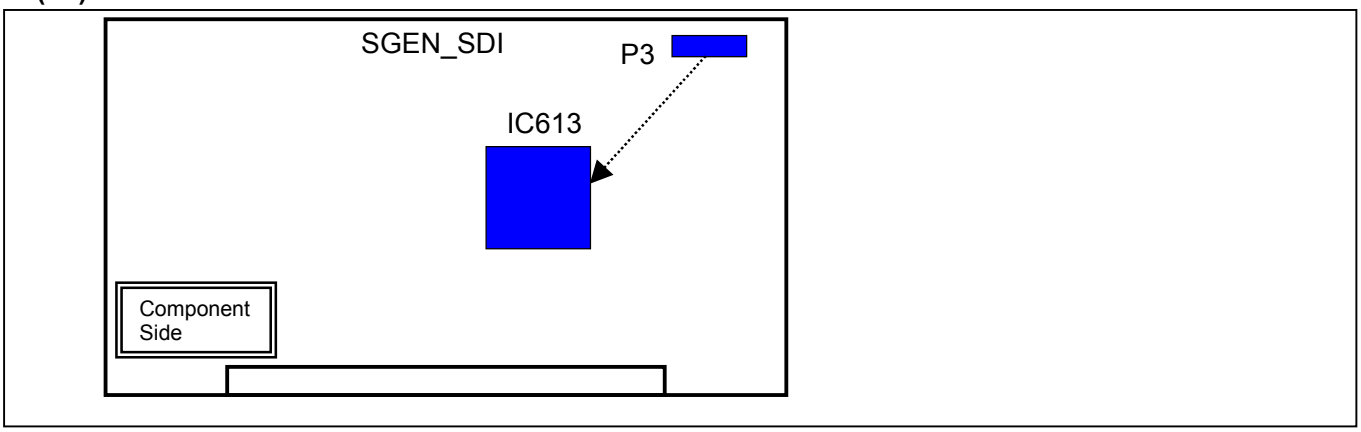


Figure 9-2A-10

(6) SERVO BOARD

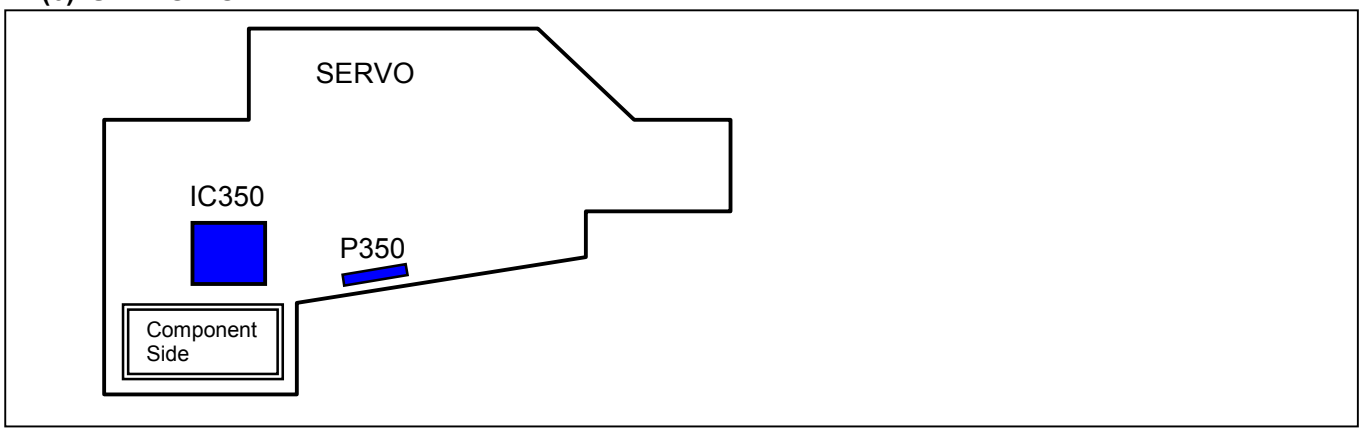


Figure 9-2A-11

9-2-2. CPLD Version Upgrade Method (ALTERA)
< APRO, SDI, UDC CPLD IS's>

A. Preparation

ITEM	REMARK
CPLD Writer	VFK1590 VFK1590P2 (Standard Accessory of VFK1590)
D-sub 25pin-25pin Cable	Straight (Mail-Female), Length: Within 1m
Version Upgrade Software	MAX+plus II Software ver9.6 or over ver9.6 (Please access to www.altera.com/support/software/download/sof-download_center.html)
File NAME	jcf File (Included in “vvvsi xxxx” file). (Copy all files of the VVVSI4283A, VVVSI4287B and VVVSI4241B which is included " .jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2B-1

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between the connector at the Board in the VTR as shown in table 9-2A-4 and connector of the CPLD writer as shown in table 9-2A-3.
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. up Software and Ver. up Procedure

1. Select "start button" on the Windows Screen and then "Program" and then boot up the "MAX+plus II *** programmer only" so that the following menu appears.
2. On main window, select tab "Assign" and then "Device" → "MAX700"(Device Family) →"AUTO".
3. Insert floppy disk (which is includes all files of the program software VVVSI*** as shown in table 9-2A-4) to floppy drive.

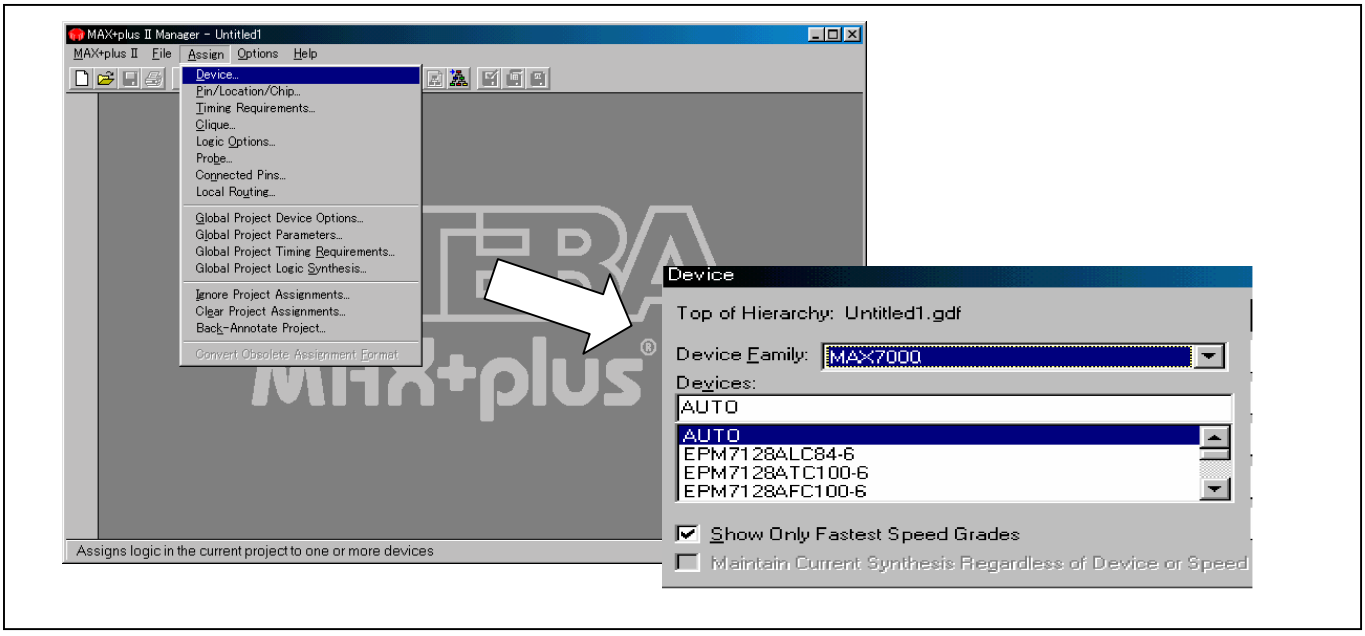


Figure 9-2B-2

4. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
5. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
6. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV) "**.

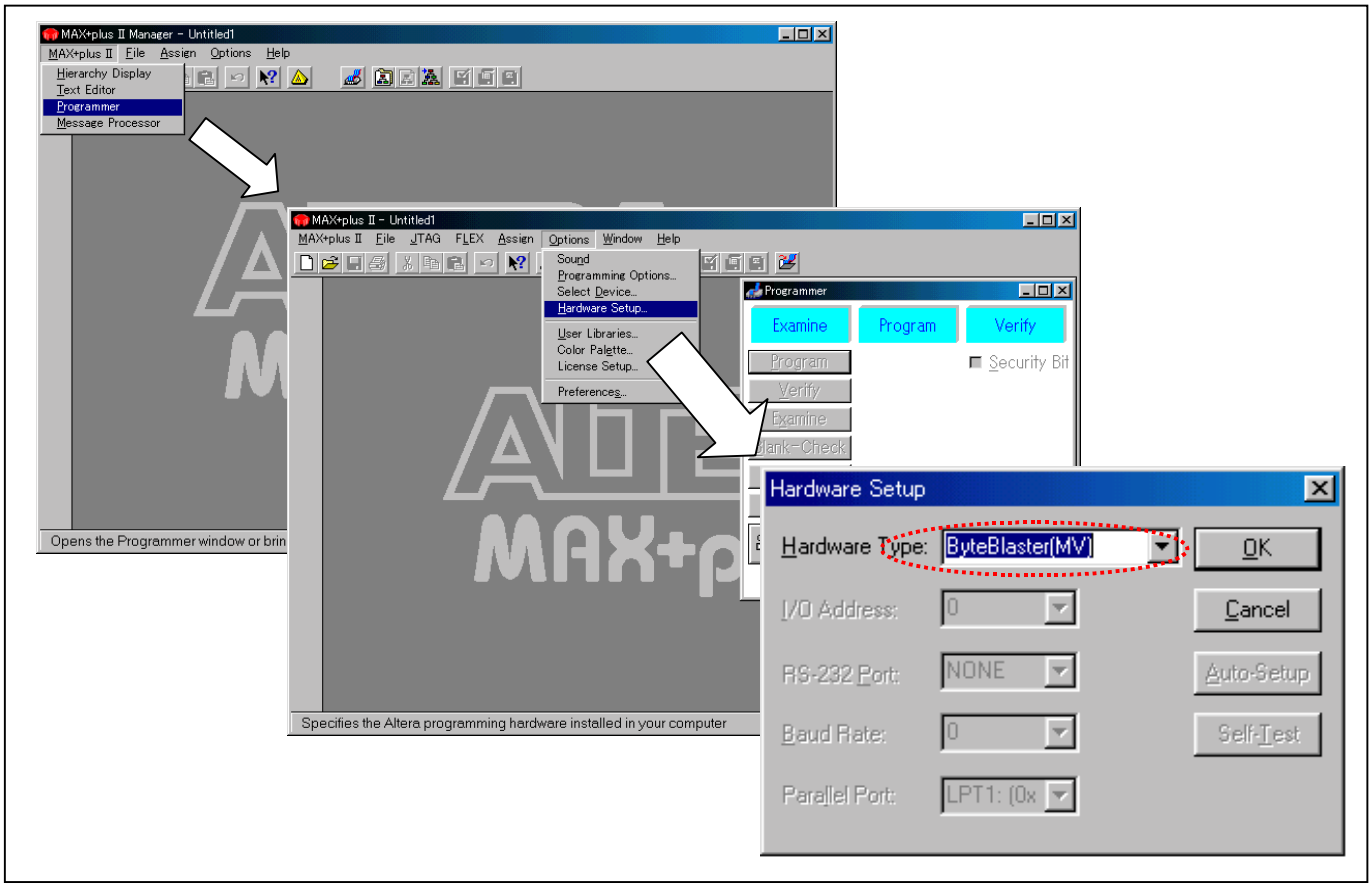


Figure 9-2B-3

7. On main window, select tab **"JTAG"**, and then select **"Restore JCF…"**
8. Select the floppy drive and then, select the **"jcf format file (.jcf) on dialog box of Restore JCF"** and then click **"OK"** button.

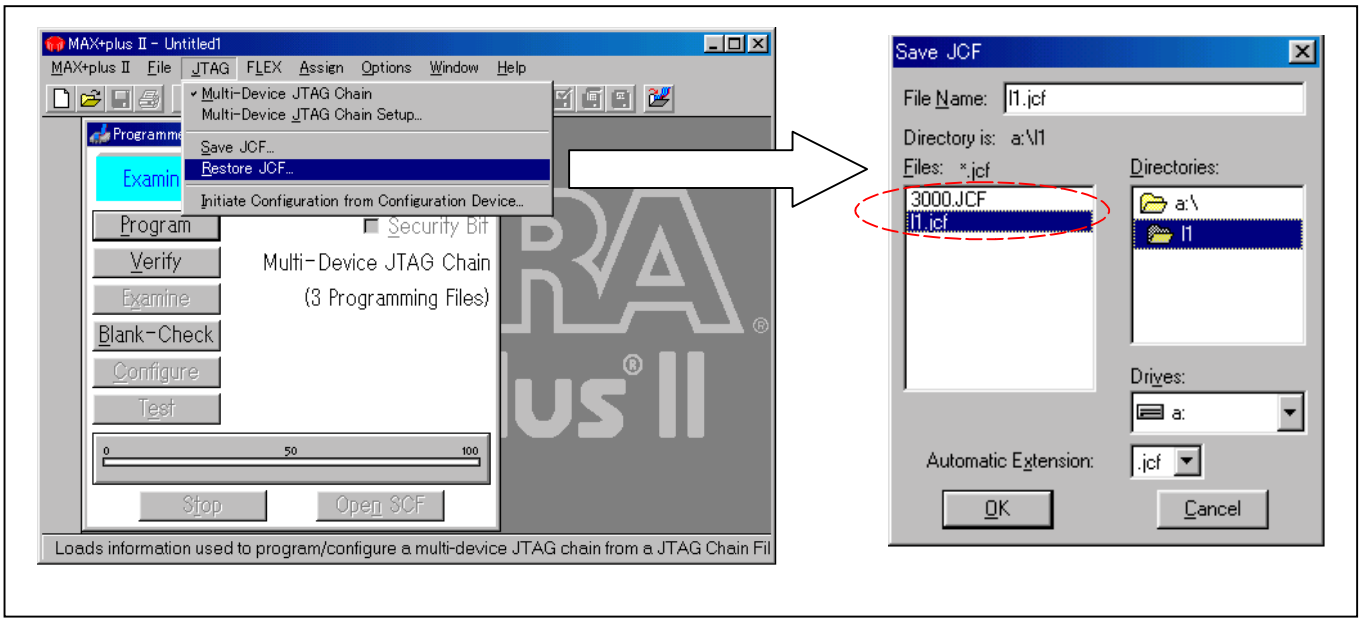


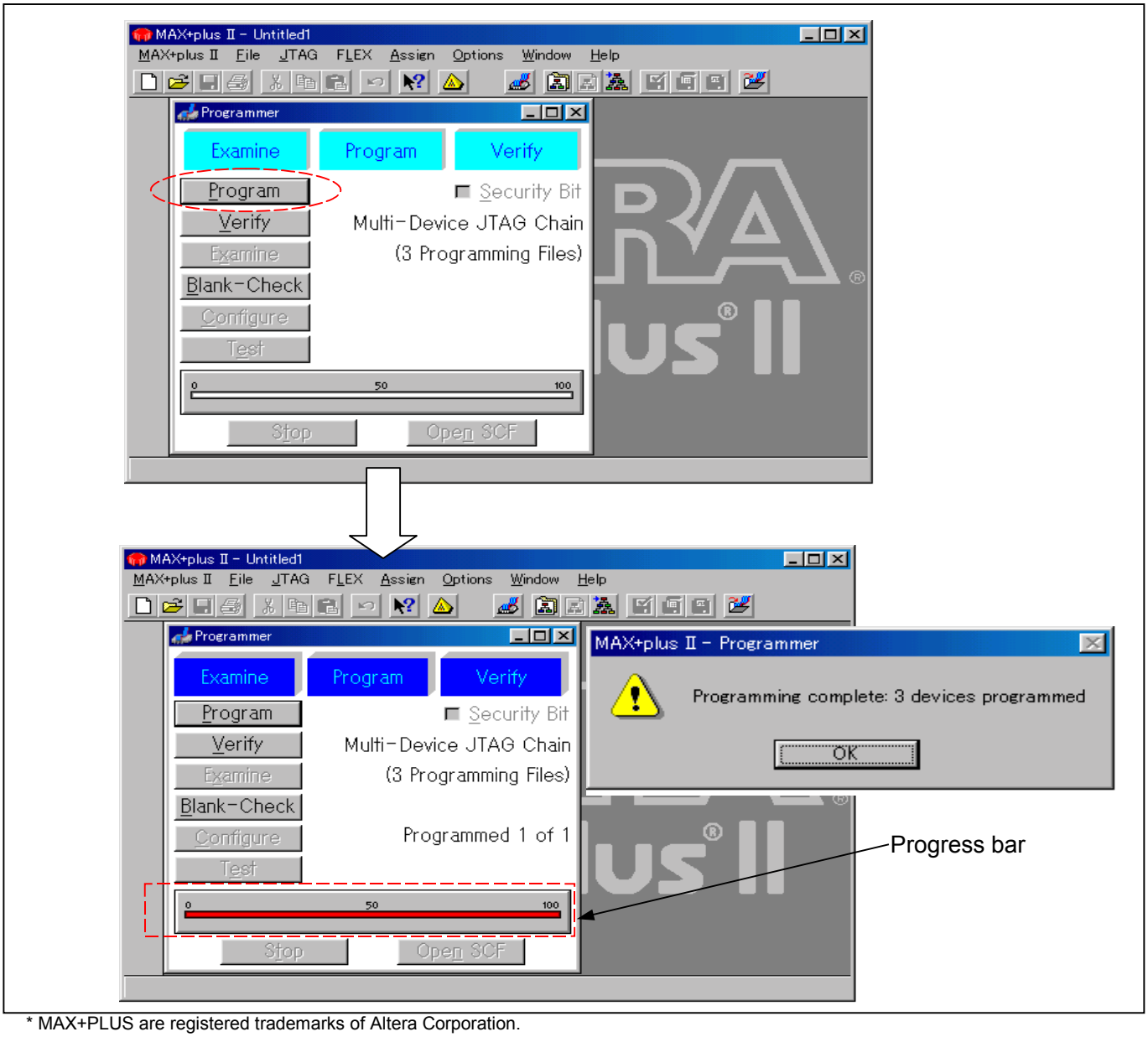
Figure 9-2B-4

9. If the following message appeared, Click **"Yes"** button.



Figure 9-2B-5

10. Click the **"Program"** button on Programmer dialog.
11. When Progress Bar reaches at point of **100**, the message "Programming Complete" appears, then PLD version upgrade is completed. Click **"OK"** button on the **Programming complete** message Dialog.
12. Confirm that PLD version of VTR is updated.



* MAX+PLUS are registered trademarks of Altera Corporation.

* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

Figure 9-2B-6

9-2-3. PLD Version Upgrade Method (LATTICE)

< REC_PB PLD IC>

A. Preparation

ITEM	REMARK
CPLD WRITER	VFK1590 VFK1590 VFK1590P3 (Not standard accessory of VFK1590)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	LSC ispVM System Software : http://www.latticesemi.com/search/browse_type.cfm?catid=131&ty=65 and select **"ispVM System 13.2 for PC"** in programming software portion in order to download it.
File NAME	jcf File (Included in "VVVSI 4285B" file). (Copy all files of VVVSI 4285B which is included " .jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2C-1

B. Connection

1. Connect the D-sub Cable between CN301 (for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port) as shown table 9-2A-2.
2. Connect the CPLD WRITER Cable (VFK1590P3A) between the connector at the Board in the VTR as shown in table 9-2A-2 and 9-2A-4.
   <Note> VFK1590P3A is not standard accessory of VFK1590.
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. up Software and Ver. up Procedure

1. Select **"start button"** on the Windows Screen and then **"Program",** and then boot up the **"LSCispVM System"** so that the following menu appears.
2. Insert floppy disk (which is includes all files of the program software VVVSI4285B as shown in table 9-2A-4) to floppy drive.
3. On main window, select tab **"File"** and then **"Open"** .
4. Open the program data file as shown table 9-2A-4.

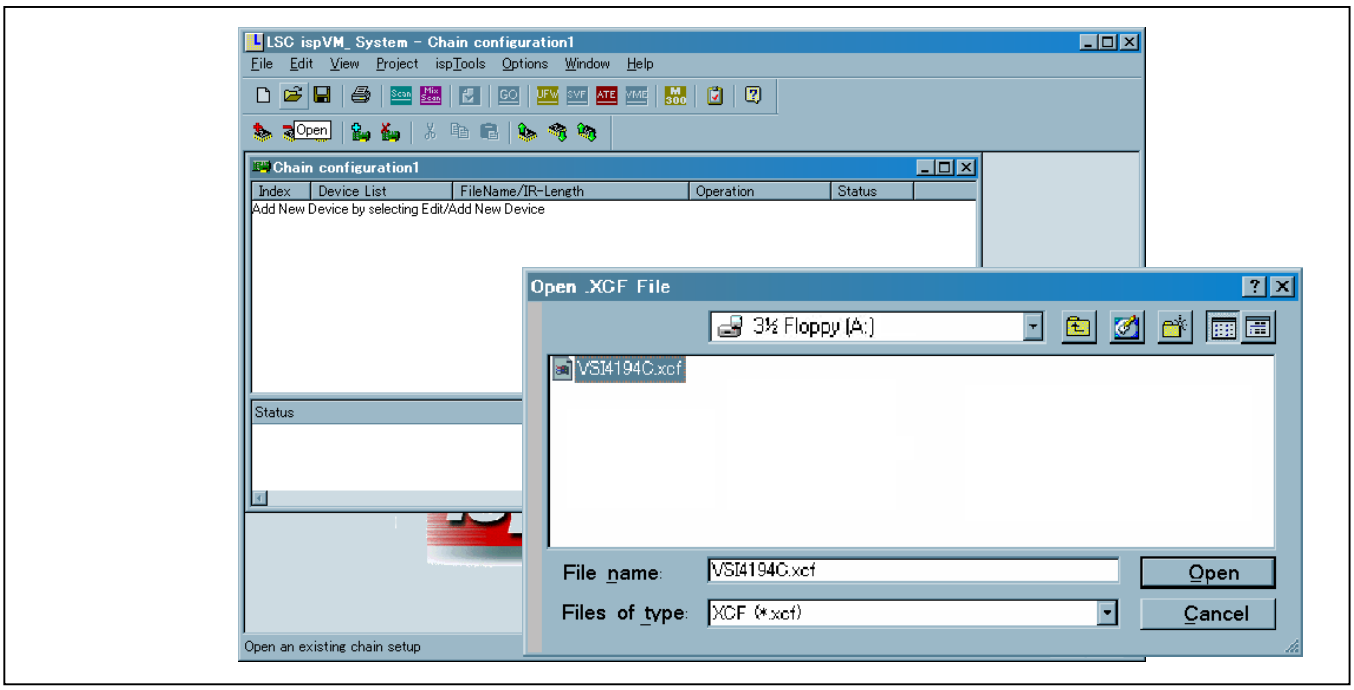


Figure 9-2C-2

5. On main windows, select **"Project"** and then **"Project Settings"** as shown in the figure below.
6. Make sure that the **"Sequential Program"** has been set at the first line. (Do not set "Turbo Program".)

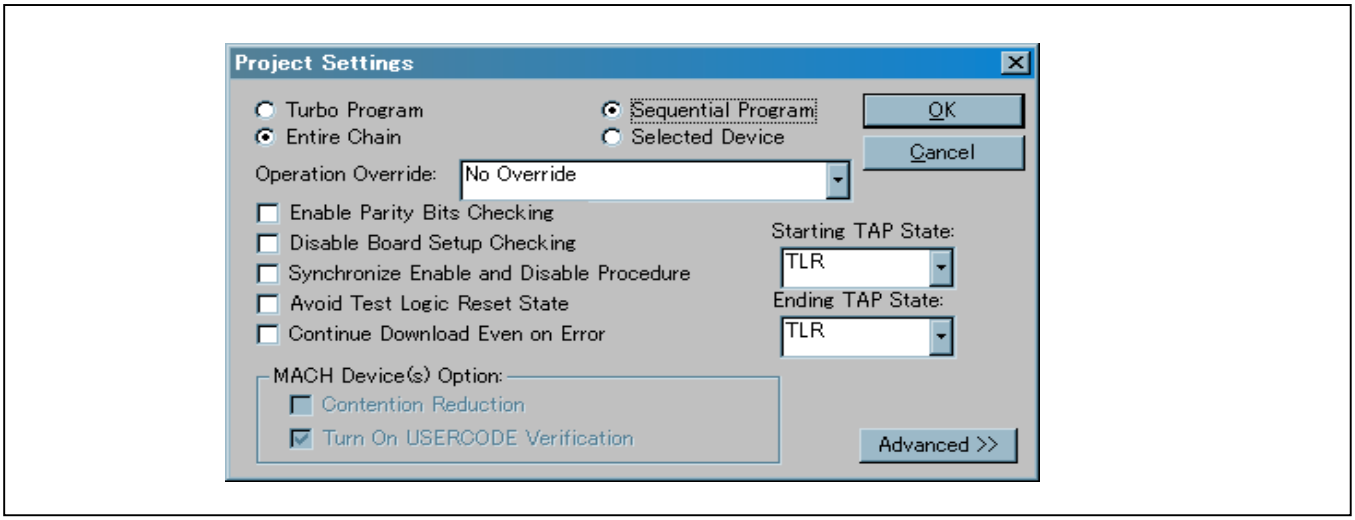


Figure 9-2C-3

7. On main windows, select tab **"Options"**, and then select **"Cable and I/O Port Setup"**.

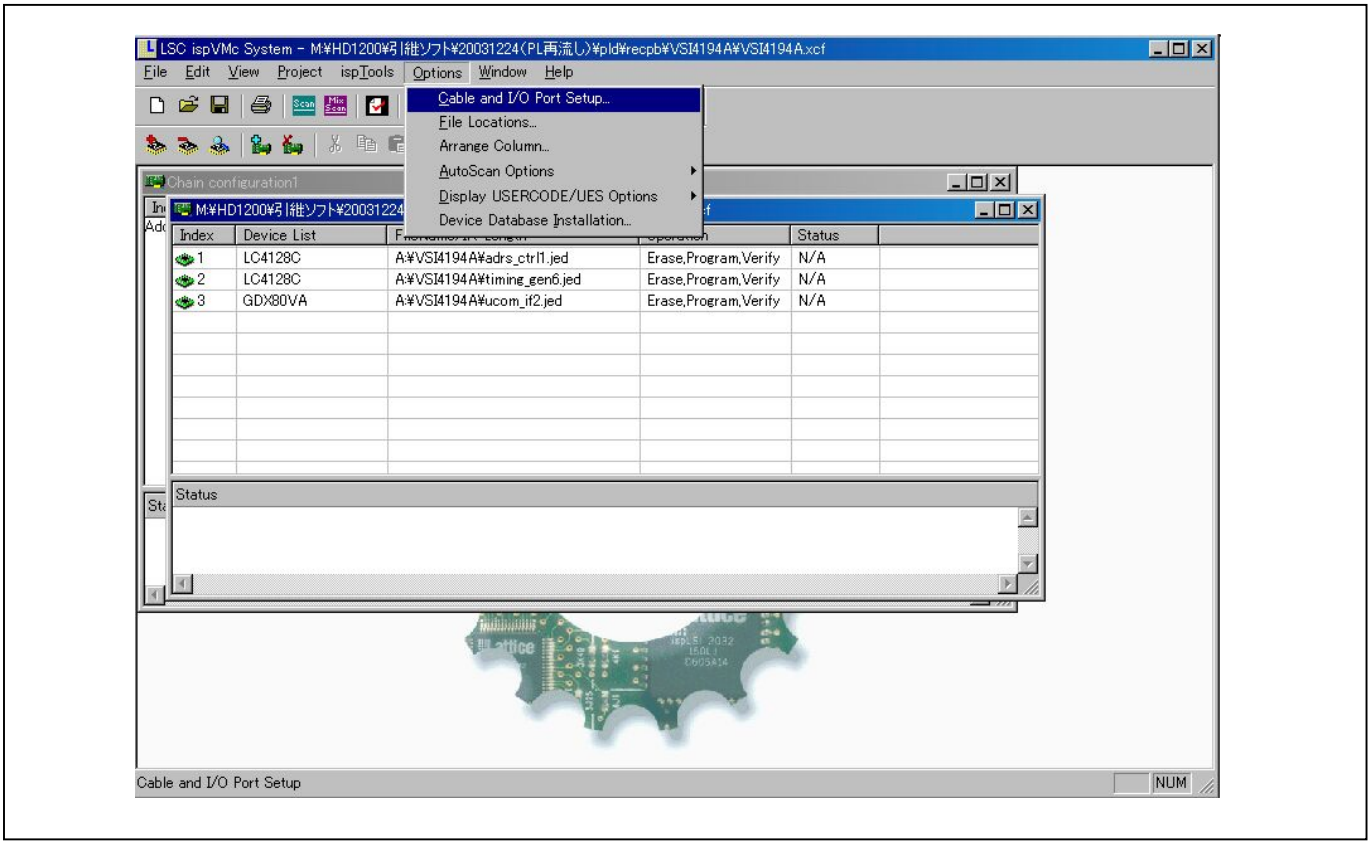


Figure 9-2C-4

8. Make sure that the “Cable Type” is “LATTICE”, if it is not, set it as “LATTICE” and then “OK”.

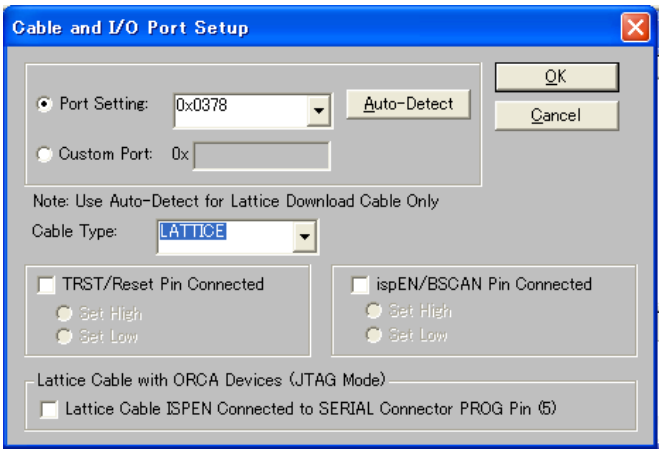


Figure 9-2C-5

9. On main windows, click “GO” button as shown in the figure below and then the version upgrade will start.
10. After completion of version upgrade, all status columns show “PASS” as shown the figure below.

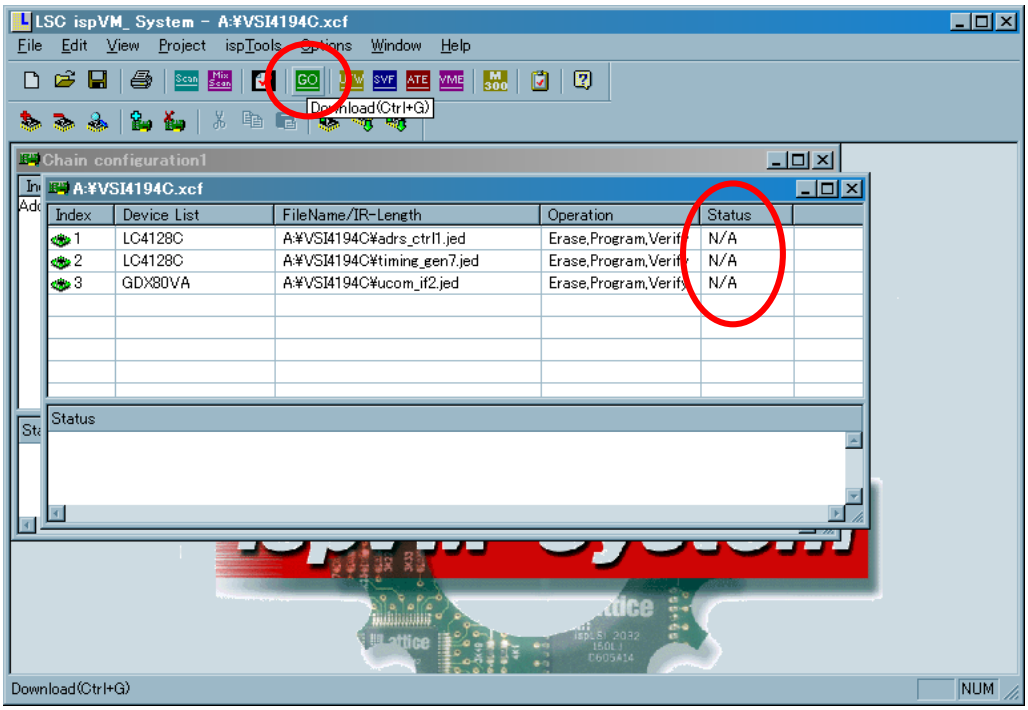


Figure 9-2C-6

9-2-4. PLD (FPGA) Version up Method (XILINX) [1]
<SERVO CPLD IC>

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P4 (VFK1590 standard)
25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	XILINX WebPACK ISE Programmer (iMPACT) Software Please download from the following URL http://www.xilinx.com/support/download.htm 1. Open this page and then select "WebPACK ISE". 2. Before downloading, registration is required to get ID and Password. 3. After registration, click "Download ISE WebPACK" button. 4. Select "CUSTOM" in "Typical Download Configurations" menu. 5. Check **"FPGA Prog."** in "Custom Design Configuration" page. 6. Click Download button. 7. Follow the instruction of next page.
Version Upgrade Data	cdf File (Included in VVVSI4289A file). (Copy all files of the VVVSI4289A which is included " *.cdf " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2D-1

B. Connection and Preparation

1. Connect the D-sub Cable between CN401 (for XILINX) connector of the CPLD WRITER (VFK1590) and Personal Computer. (Refer to figure 9-2A-1 and table 9-2A-2)
2. Connect the CPLD WRITER Cable (VFK1590P4) between PLD version up connector on the relevant board and P401 connector of CPLD WRITER. (Refer to figure 9-2A-1 and tables 9-2A-2, 9-2A-4)
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. Up Software and Ver. up Procedure

1. Select **"Start button"** on the Windows Screenand then **"Program"** and then boot up the **"Xilinx CPLD Webpack"** so that the menu appears as shown in figure 9-2D-2.

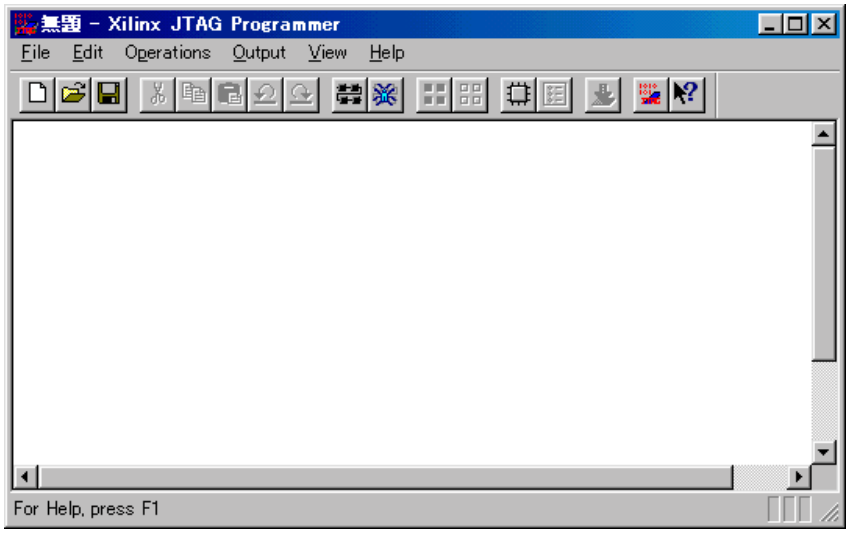


Figure 9-2D-2

2. On main window, select tab **"Output"** and then **"Cable Setup"** → **"Cable Communication Setup"** → **"Communication Mode"** → **"Communication Setup"** → **"Parallel"** as shown in figure 9-2D-3.

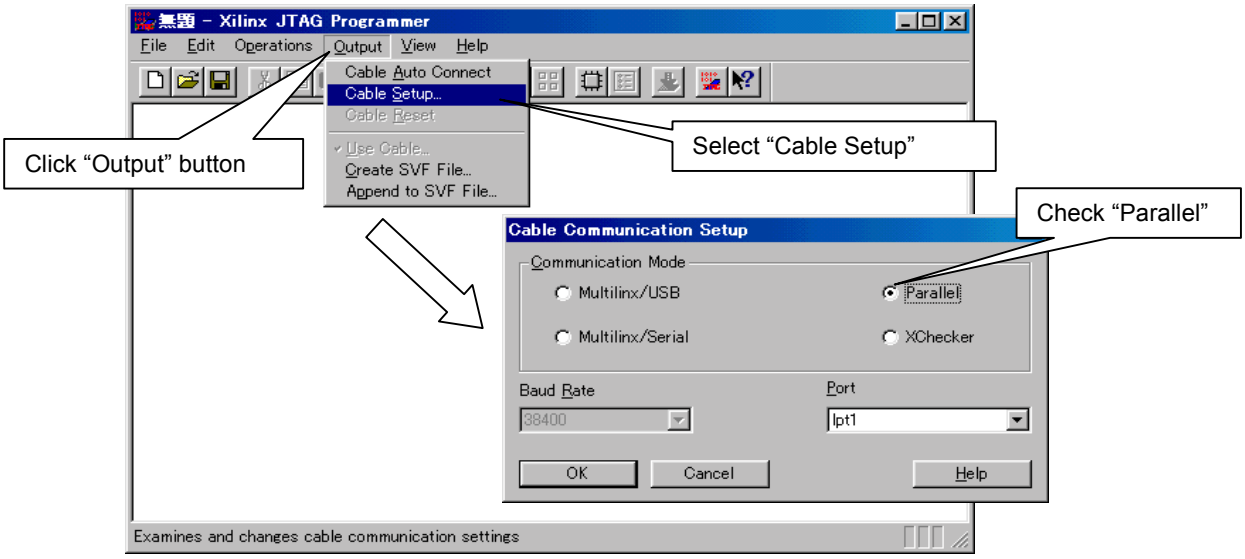


Figure 9-2D-3

3. If the cable communication is correct, the message sa shown in fugure 9-2D-4 appears.

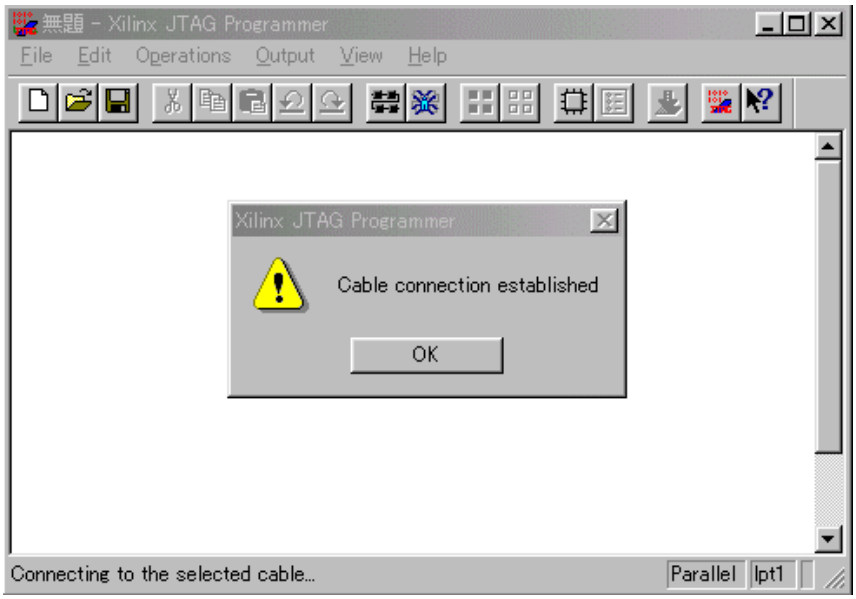


Figure 9-2D-4

4. Click **"OK"** button.

5. Insert floppy disk (which is includes all files of the VVVSI4289A) to floppy drive.
6. Install the WebPACK ISE program. “Xilinx Webpack” folder is created on windows.
7. Click the start button of windows and select "Program" and “Xilinx Webpack”.
8. Select the "Device Programer" and then following screen appears.
9. Check the "Load Configuration Files", and click "Finish" button.

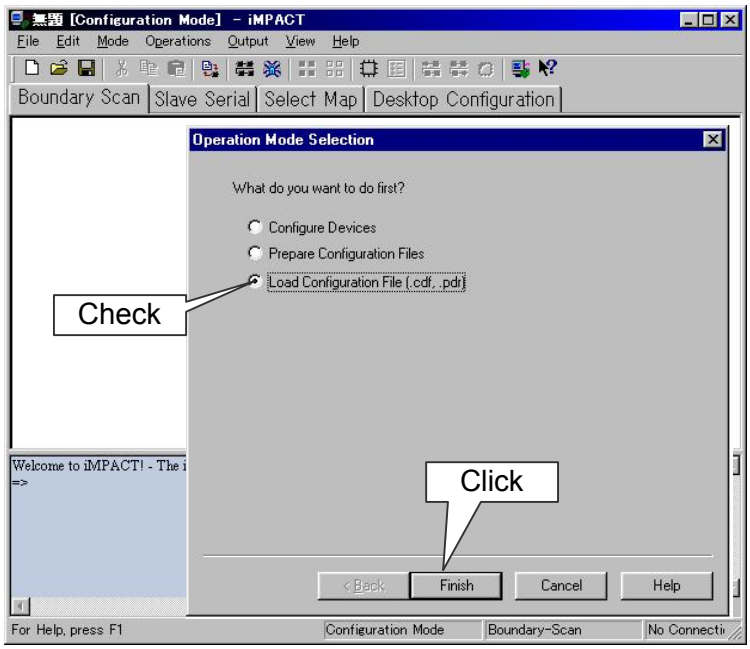


Figure 9-2D-5

10. Select the floppy drive and then select the **“.cdf ”** file.
    (CDF is **C**hain **D**escription **F**ile, This file can write several CPLDs on the same board like a chain.)
11. Click the **“Open”** button.

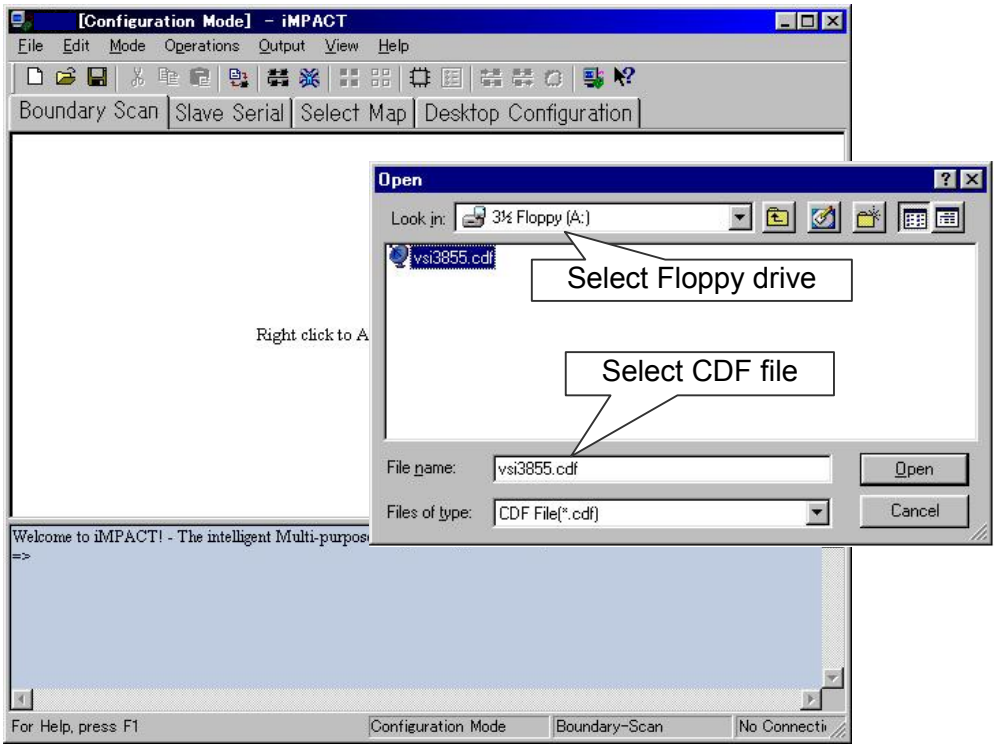


Figure 9-2D-6

12. Click the first device (change the color to green) then click the **"program"** button to open the **"Program Options"** dialog box or select **"Operations"** in the menu then select **"Program"**.

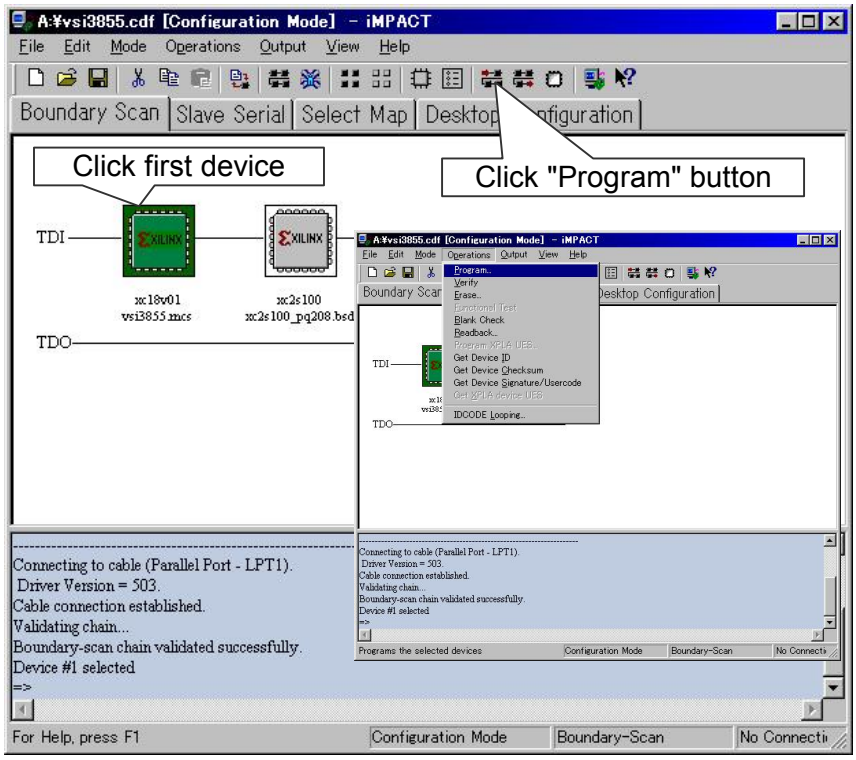


Figure 9-2D-7

13. Check the **"Erase Before Programming"** and **"Verify"** in the dialog box of Program Options.

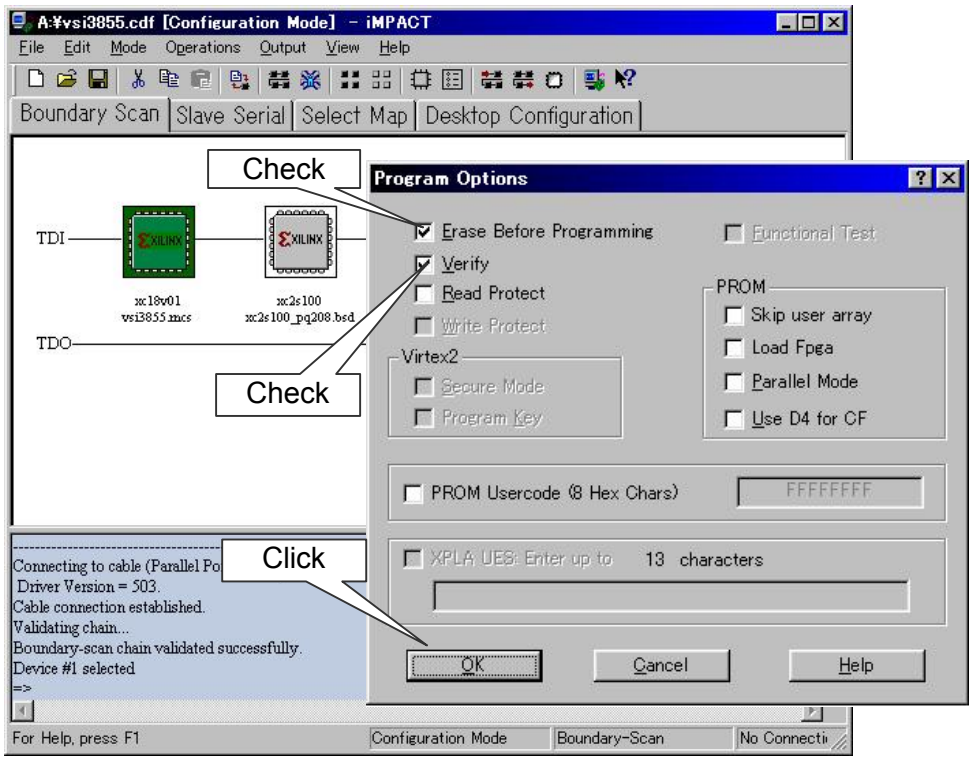


Figure 9-2D-8

14. Then click **"OK"** button to start the programming and verifying.

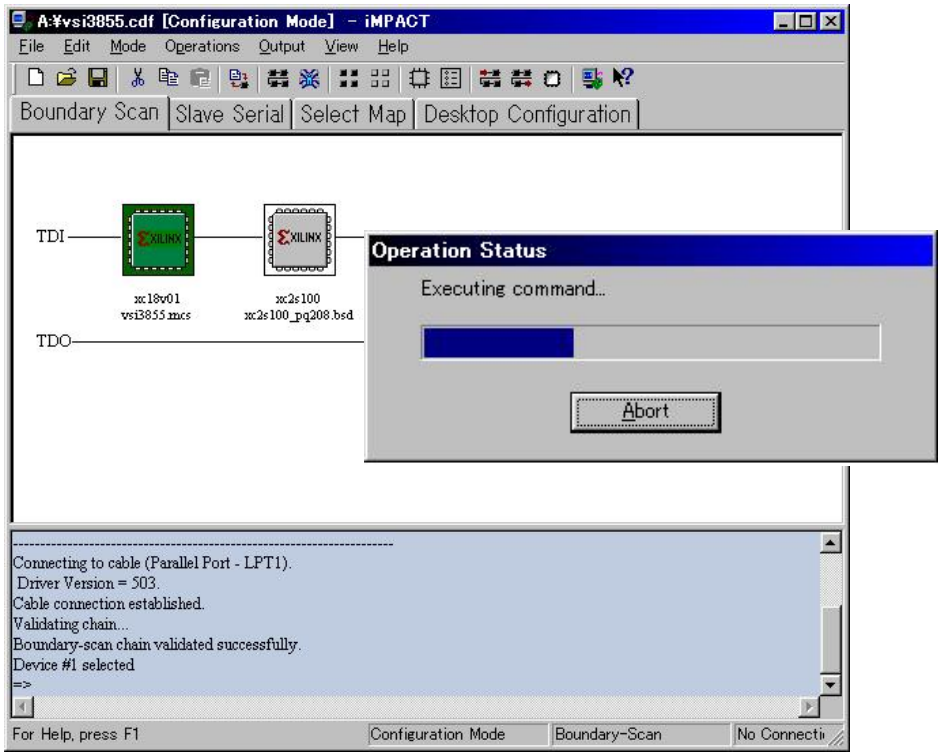


Figure 9-2D-9

15. When the programming is completed. the dialog as shown in figure 9-2D-10 appears.
16. Confirm that PLD version of VTR is updated.

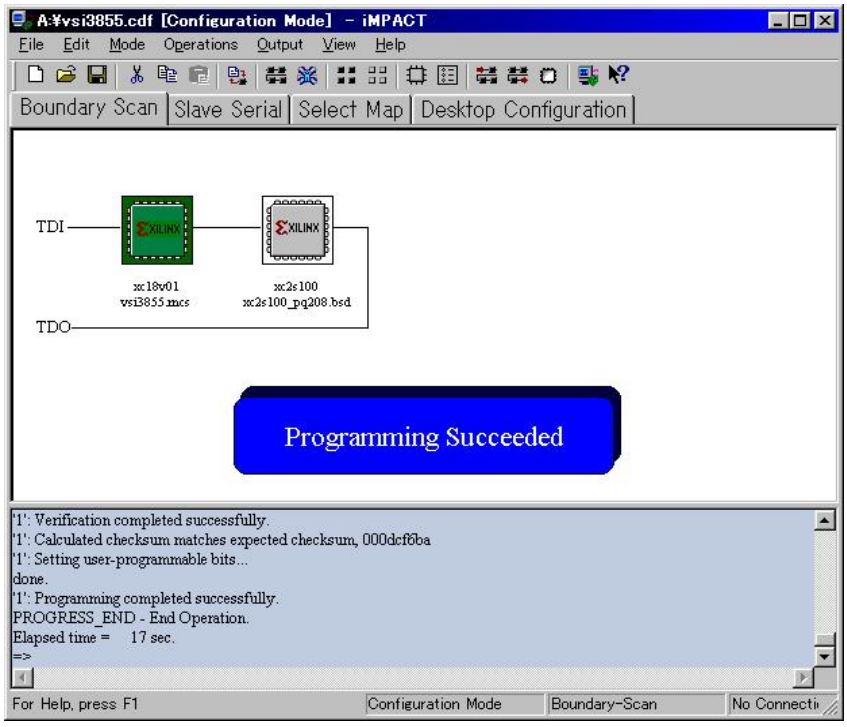


Figure 9-2D-10

9-2-5. PLD (FPGA) Version up Method (XILINX) [2]
<1394 CPLD IC>

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P4 (VFK1590 standard)
25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	VFK1879 (xsvf file) Please download from our web site
Version Upgrade Data	(Copy all files of the VVVSI4288C which is included " *.cdf " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2E-1

B. Connection and Preparation

1. Connect the D-sub Cable between CN401 (for XILINX) connector of the CPLD WRITER (VFK1590) and Personal Computer (Refer to figure 9-2A-1 and table 9-2A-2)
2. Connect the CPLD WRITER Cable (VFK1590P4) between PLD version up connector on the relevant board and P401 connector of CPLD WRITER. (Refer to figure 9-2A-1 and tables 9-2A-2, 9-2A-4)
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. Up Software and Ver. up Procedure

1. Insert floppy disk (which is includes all files of the VVVSI4288C) to floppy drive. (Refer to table 9-2A-4)
2. Install the version upgrade software (VFK1879) and open the DOS window as shown in figure 9-2E-2.
3. Press ther “ENTER” key, when the screen as shown in figure 9-2E-2 appears.
4. The programming takes about 3 seconds.



Figure 9-2E-2

5. When the programming is completed, the screen as shown in figre 9-2E-3 appears.



Figure 9-2E-3

6. Turn off and on the power of VTR in order to reboot the machine.
7. Confirm that the CPLD version of VTR is updated.
8. Turn off the VTR power and then CPLD writer tool and cables.

10. NODE UNIQUE ID (UID)

10-1. Confirmation of UID Number

IEEE1394 I/F Board (AJ-YAD120AG) has “Node Unique ID”. This UID number is displayed in the DIF STATUS MENU in the DIAG MENU

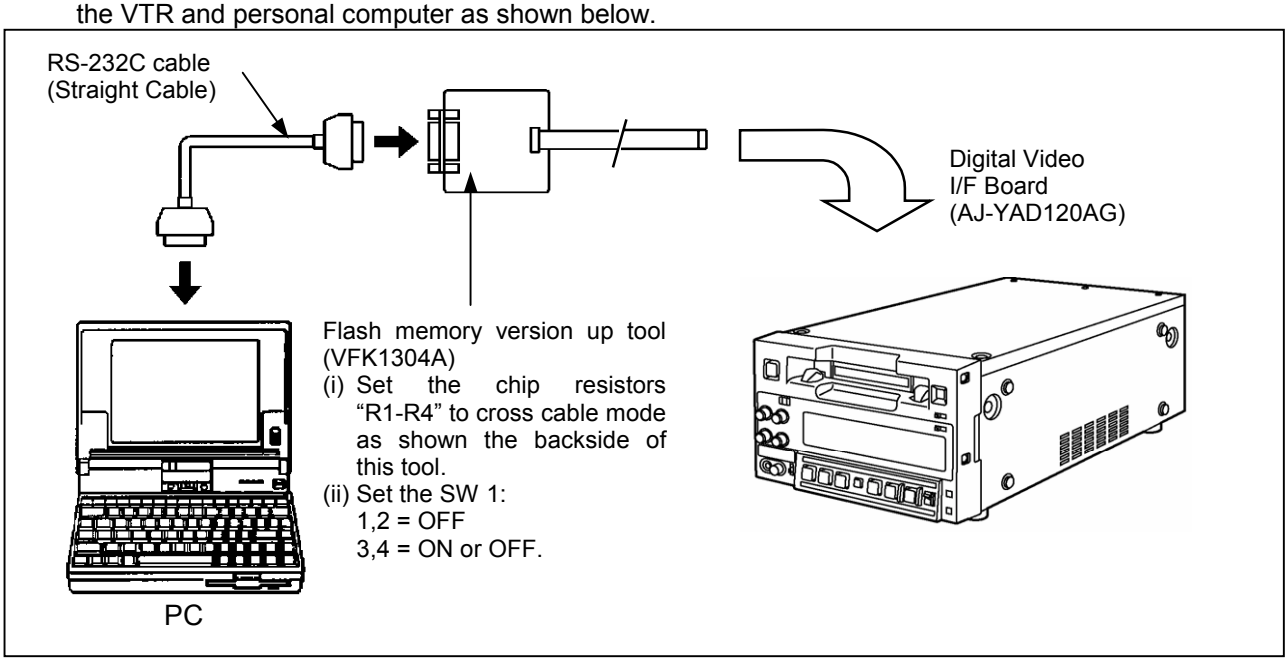
1. Connect a monitor TV to the Line Output of the VTR.
2. Open the “DIAG MENU”.
3. Press the “Search” button twice so that the **“DIF STATUS”** and **“UID Number”** are displayed on the monitor TV. (Refer to Paragraph 7, 7-1.)

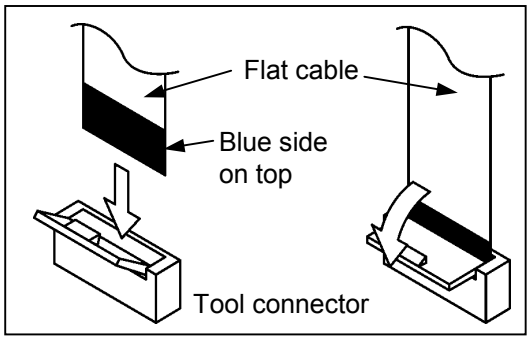
10-2. Writing UID

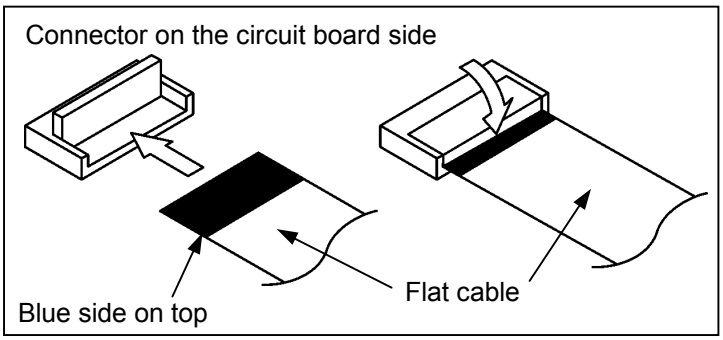
<Important Note>

The UID number should not be changed from the original one.
If the original UID number is needed, contact Panasonic Service Engineering.

1. Connect the “Flash memory version up tool (VFK1304A)” between the connector (P2) on AJ-YAD120AG in the VTR and personal computer as shown below.







2. Make sure that the direction of the flat cable connection (face side and reverse side of flate cable) to the tool (VFK1304A).
   Set the flat cable to the connector as shown in the figures below.

3. Set the VFK1304A in the “CROSS CABLE” mode as shown the backside of the tool but the actual connection cable should be straight cable.
4. Set the DIP switch SW3301-1 to ON, and SW3301-2, 3 and 4 are “OFF”.
5. Turn “ON” the personal computer power.

6. Start up the Hyper Terminal of Windows 95/98 on the personal computer.
   (Programs of Windows → Accessories → Hyper Terminal → Hypertrm.exe)
   Name the Hyper Terminal "1394", and select an icon.
   Select the connection method. (Connecting using: Direct to COM*)
   Perform settings of the Port. (Bits per second: 9600, Data bits: 8, Parity: None, Stop bits: 1,
   Flow control: None)
   File → Properties → Settings → ASCII Setup → put a mark on the "Append line feeds to incoming line ends" of ASCII Receiving.
7. Turn “ON” the VTR power.
8. The initial screen of Debug Monitor appears on the Hyper Terminal screen.

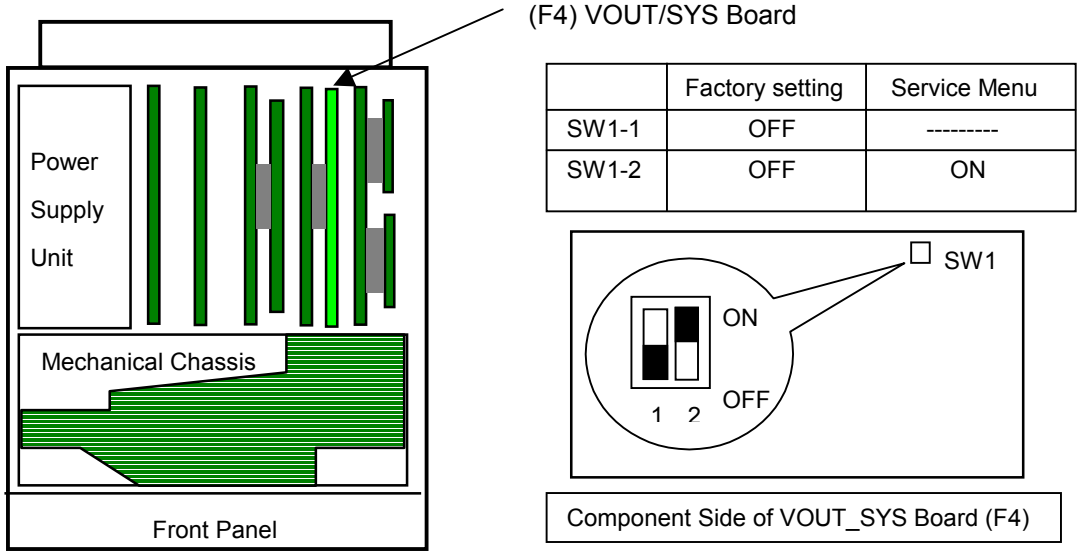
```
*******************************************************************************
*                            -- Debug Monitor --                              *
*   Copyright(C) 1997-2003, Matsushita Electric Industrial Co., Ltd.          *
*                             All right reserved                              *
*******************************************************************************
```

9. Press the Enter key, and confirm that "MON >>" appears.
10. Input the UID command "MON >>uid ********", which is the 8 digits of the second half of the UID. (The 8 digits of the first half are always 00804582.)
11. Confirm that "&OK" and "MON >>" appear.
12. Close the software "Hyper Terminal". Turn “OFF” the power of the VTR.
13. Set the DIP switch SW3301-1 to “OFF”

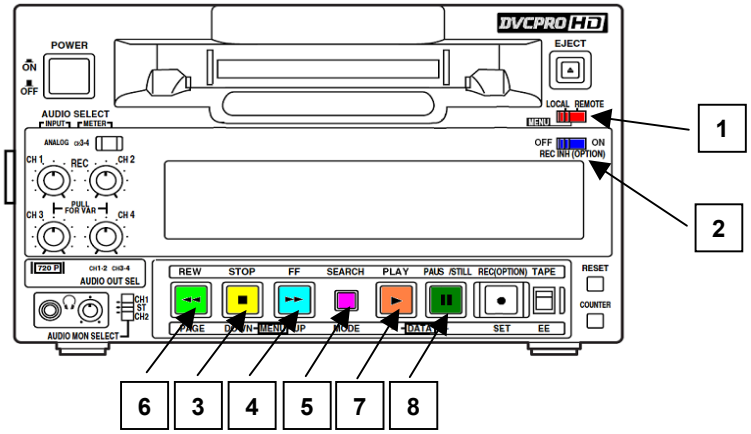
11. Service Menu

11-1. Service Menu Operation

1. Set the pin 2 of SW1 on the VOUT_SYS Board to the “ON” position.

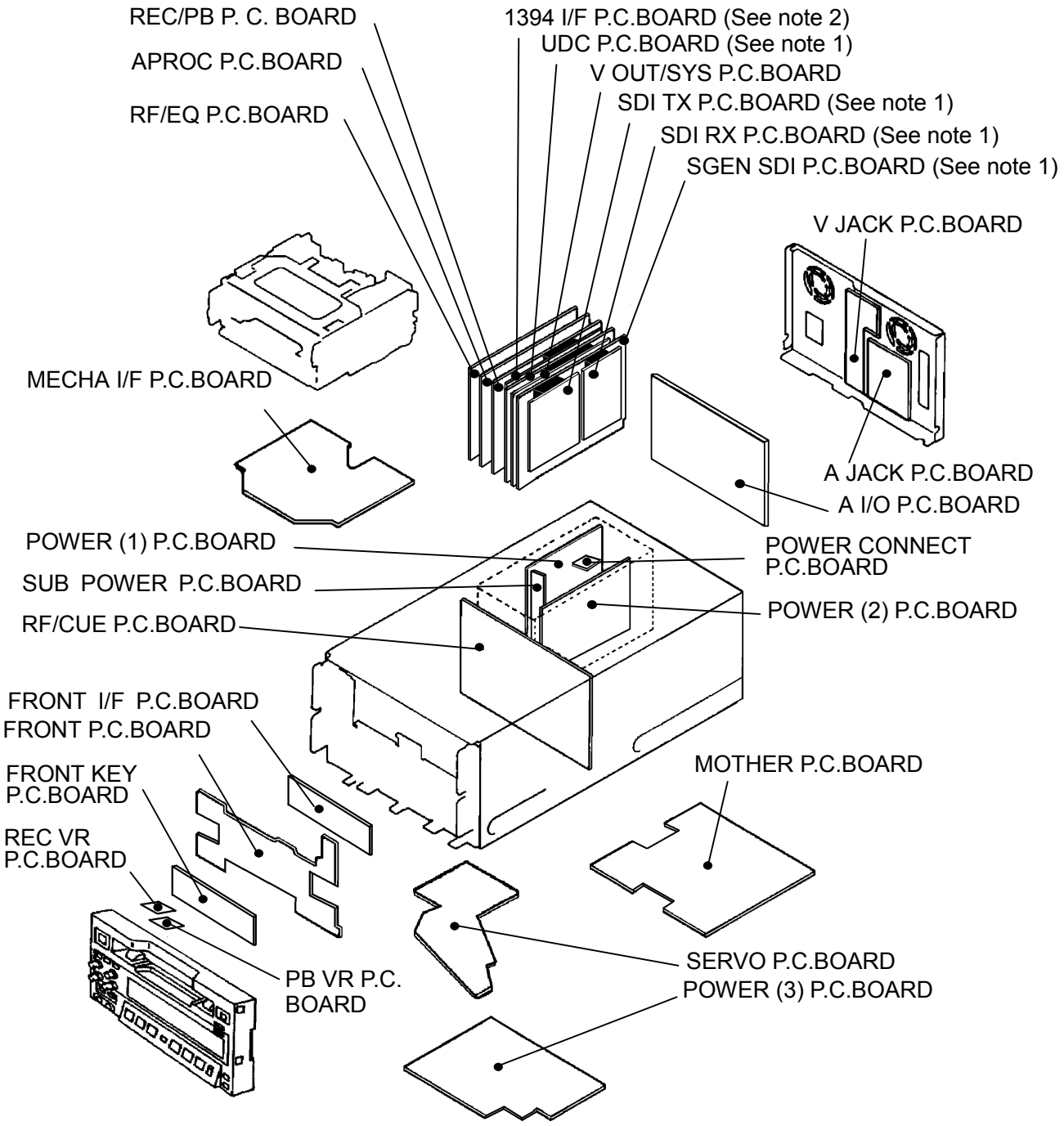


	Factory setting	Service Menu
SW1-1	OFF	---------
SW1-2	OFF	ON



2. Set the **“LOCAL/MENU/REMOTE” [1] switch on the Front Panel to the “MENU” position.**
3. Turn off the **“REC INHIBIT” [2]** on the Front Panel.
4. Select the item of the “MAIN MENU”.
   - **“DOWN” Button [3]:** Cursor (*) on the monitor moves to up direction.
   - **“UP” Button [4]:** Cursor (*) on the monitor moves to down direction.
   - **“MODE” Button [5]:** Menu changes to the direction of Main menu to sub menu.
   - **“REC INHIBITS” Switch [2] ---- ON:** Menu operation becomes effective.
   - **“REC INHIBITS” Switch [2] ---- OFF:** VTR operation becomes effective.
5. Select the item of the “SUB MENU”.
   - **“DOWN” Button [3]:** Cursor (*) on the monitor moves to up direction.
   - **“UP” Button [4]:** Cursor (*) on the monitor moves to down direction.
   - **“PAGE” [6] + “MODE” [5] Buttons:** Menu changes to the direction of Main menu to sub menu.
   - **“-“ Button [7]:** Data value is decreased.
   - **“+” Button [8]:** Data value is increased.
6. Set the **“LOCAL/MENU/REMOTE” [1]**to the **“LOCAL”** or **“REMOTE”** position and then set the DIP switch **(SW1-2)** on the VOUT_SYS Board to the original position **(OFF).**

12. CIRCUIT BOARD LAYOUT



Note:

1. Optional accessory AJ-YA120AG (HD-SDI In/Out and SD-SDI Out Boards) consists of UDC P.C. Board, SGEN SDI / SDI TX / SDI RX P.C. Boards and BNC Connector Panel.
2. Optional accessory AJ-YAD120AG (Digital Video In/Out Board) consists of 1394 IF P.C. Board and Connector Panel.

13. Service Menu Setting

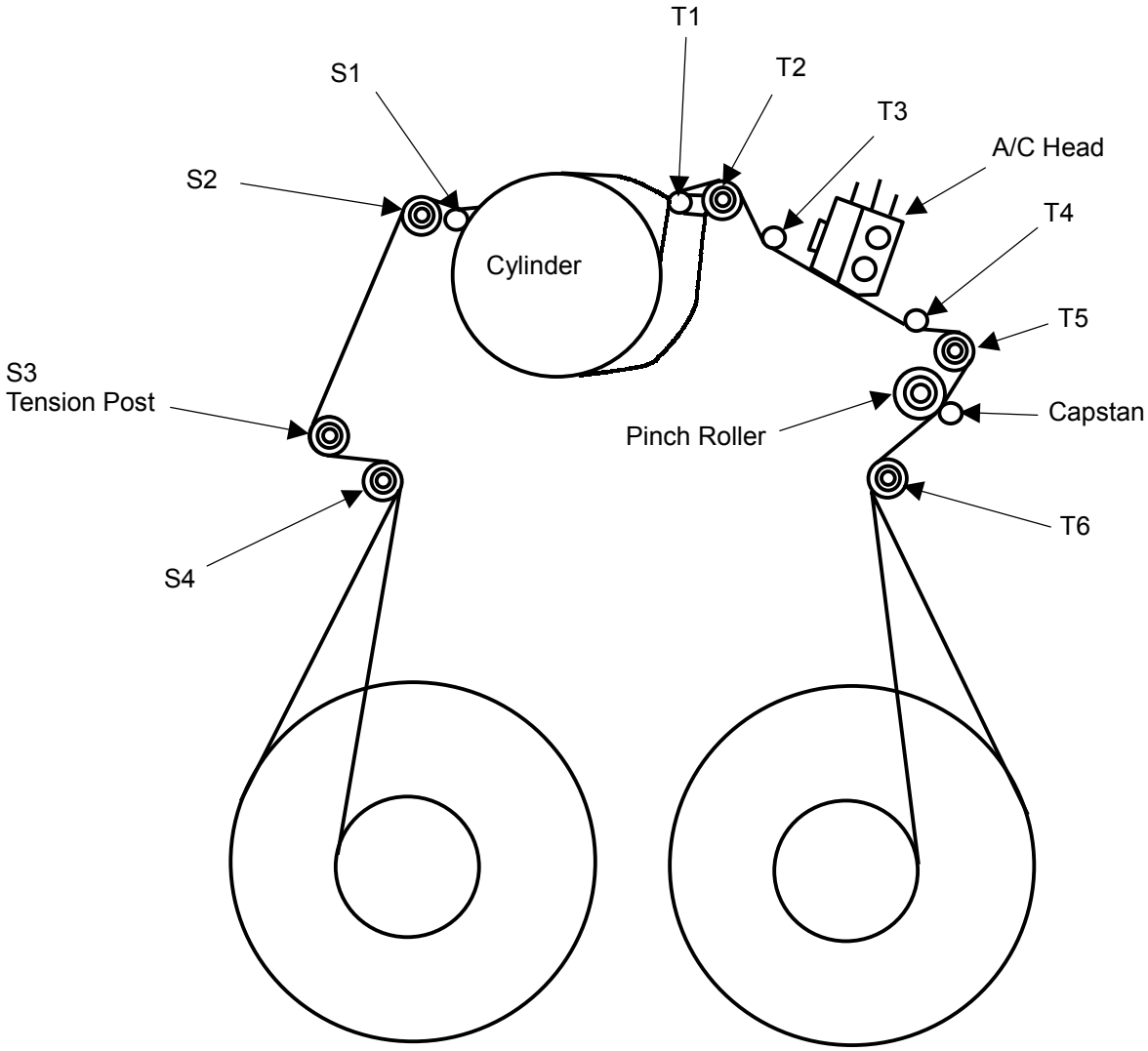
After replacing the “SYSIF Microcomputer with Flash ROM” (IC500) on the VOUT/SYS Board or VOUT/SYS Board it self, the following service menu setting should be performed.

Adjustment Item		Adjustment Value		* Shipping Suffix				Remark (Setup Menu)
No.	**Supper Imposed Display**	**Range**	**After Initializing**	**:T** (Japan)	**:P** (America)	**E:** (Europe)	**:MC** (China)	
F00 : VIDEO ADJUST								
F01	V SETUP	Off (0) On (1)	Off (0)	OFF (0)	ON (1)	OFF (0)	OFF (0)	ON: No.682 [VO SERUP(HD)], No.683 [VO SETUP(SD)] Selection OFF: Prohibition of the above operations
F03	ASPECT	ET V (0) CROP (1)	CROP (1)	CROP (1)	EIT V (0)	EIT V (0)	EIT V (0)	No.620 (DOWNCON MODE), No.621 (UPCON MODE) No.638 (IN U/C MODE) Expression of screen aspect is changed.
G00 : AUDIO ADJUST								
G01	REF LEVEL1	FS-20 (0) FS-18 (1) FS-12 (2)	FS-20 (0)	FS-20 (0)	FS-20 (0)	FS-18 (1)	FS-18 (1)	Audio reference level is selected.
G03	REF LV INT	0dB (0) 4dB (1)	4dB (1)	4dB (1)	0dB (0)	0dB (0)	4dB (1)	No.701-709 (Audio In/Out Levels) are selected.
G21	IN IMP IN	HIGH (0) 600 (1)	HIGH (0)	600 (1)	HIGH (0)	HIGH (0)	HIGH (0)	No.781 (IN IMP SELE) is selected.
G22	AUD OUT SEL	TYPE1 (0) TYPE2 (1)	TYPE (0)	TYPE 1 (0)	TYPE 1 (0)	TYPE 1 (0)	TYPE 1 (0)	TYPE1: No. 770 (MONITOR MIX) Selection TYPE2: Stereo Mode Only.
H00 : OTHER								
H03	FMT DISP	422 (0) 50M (1)	50M (1)	50M (1)	422 (0)	422 (0)	422 (0)	No. 023(FORMAT SEL) Expression of the above operation is changed.
H08	HD1200A	OFF (0) ON (1)	OFF (1)	AJ-HD1200 : OFF (0) AJ-HD1200A : ON (1)				ON : No. 894, No. 895 and No 896 are selected. OFF: Prohibition of the above Operations.
H21	UNDERCUT ADJ	00000 | 0020E | 00FFF	000 | 20E | FFF	Perform “2-1. Battery Voltage Detect Adj.” then the adjustment value is set.				
	INPUT VL		0.0V | 99.9V					

* The area name of each shipping suffix shows only representation area

1. Mechanical Adjustment Procedures

Name of Components on Tape Transportation



1-1. Post Driver Specification

The Post Driver (VFK1149) is not fitted with S2, S3, S4, T2, T5 and T6 posts. File the tip of Post Driver as shown in the figure, or obtain the new type of the Post Driver (VFK1149B).

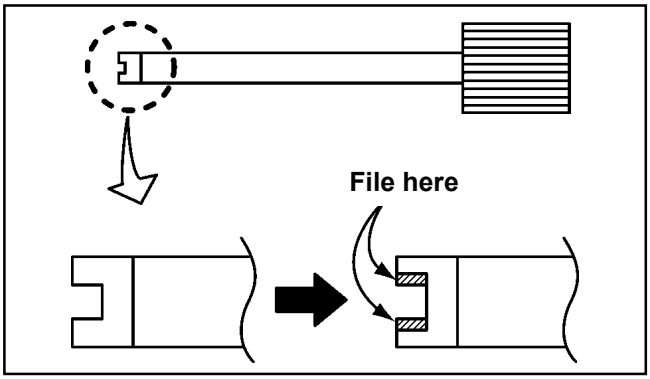


Figure 1-1-1

1-2. Post Height Pre-Adjustment

MODE	EJECT (POWER OFF)
TOOL	VFK1586 (Mech. Neutral Plate) VFK1154 (Post Height Fixture) VFK1149B (post Driver)

1. Confirm that the Reel Table is positioned for M-Cassette and turn the power OFF.
   Remove the Front Loading Unit and install the Mech. Neutral Plate (VFK1586).
   If the Reel Table position is not for M-Cassette, insert an M-Cassette and eject it so that the position is for M-Cassette.
2. Put the Post Height Fixture (VFK1154) on the Mech. Neutral Plate, and adjust the Upper Limit and Lower Limit as shown in figure 1-2-1.
3. Adjust the S3 and T5 Post Height to the lower limit under the loading condition.
4. Adjust the S4 and T6 Post Height to the lower limit, and turn them 1/4 rotation clockwise in order to realize 'Lower limit – 0.05mm'. (1 turn = 0.2mm)

Post Name	Limit
S3 Post	Lower Limit
S4 Post	Lower Limit - 0.05mm
T5 Post	Lower Limit
T6 Post	Lower Limit -0.05mm

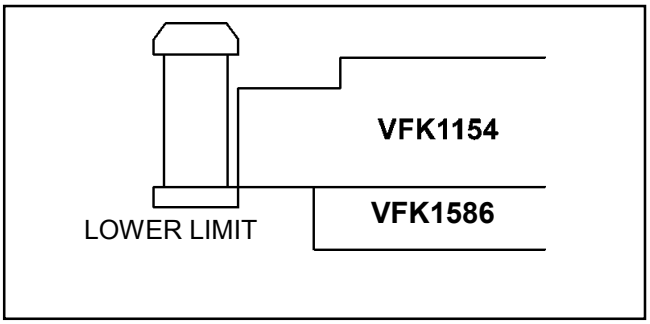


Figure 1-2-1

Note:
See page MECH-1 for post locations.

1-3. Photo Sensor Voltage Adj.

TP	T-side: TP2 (A_PROC Board: Slot 2) S-side: TP1 (A_PROC Board: Slot 2)
ADJ.	T- side: VR400 (Mech. I/F Board) S- side: VR401 (Mech. I/F Board)
MODE	STOP
TAPE	VFK1423 (Tape BEG./END Detect Adjustment Cassette)
SPEC.	2.2V ± 0.6V

1. Connect the oscilloscope to TP2 or TP1.on the A_PROC Board and then insert the VFK1423 (Tape Beg. /End Detect Adjustment Cassette).
2. Adjust VR400 on the Mech I/F Board so that the voltage at TP2 (T-side) is in the specification and VR401 on the Mech I/F Board so that the voltage is in the specification.

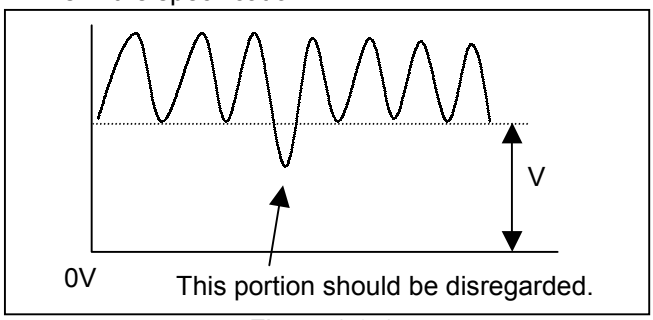


Figure 1-3-1

1-4. Tension Adj. Flow Chart

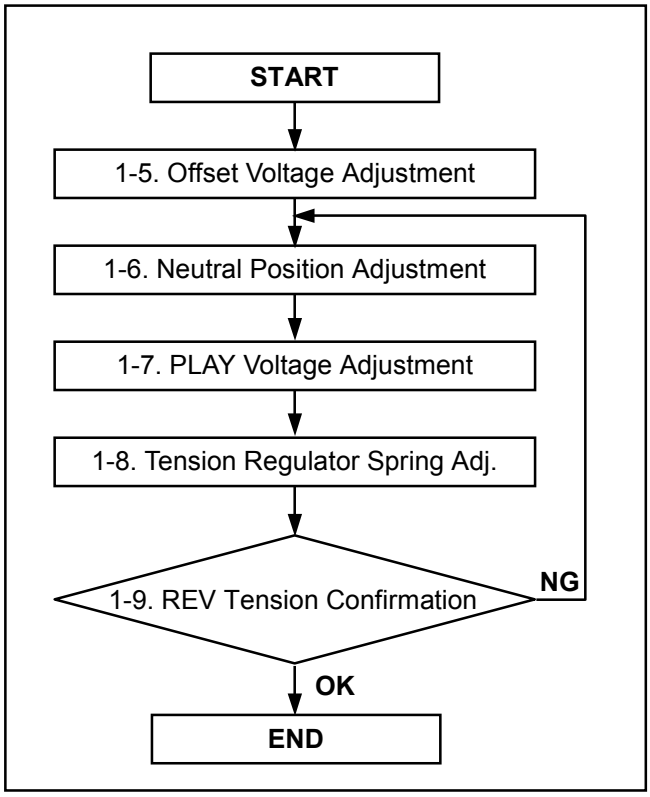


Figure 1-4-1

1-5. Tension Arm Offset Voltage Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	VR1: Mech. I/F Board
MODE	EJECT (POWER OFF)
M. EQ	Digital Volt Meter
SPEC.	2.5 V ± 0.05 V

1. Place the unit in the EJECT mode and measure the voltage at TP3.
2. If it is out of specification, adjust the VR1.

1-6. Tension Arm Neutral Position Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	Tension Regulator Board Base position (Tab D)
MODE	STOP
TOOL	VFK1587 (NEUTRAL Position Fixture) Digital Volt Meter
SPEC.	2.5 V ± 0.1 V

1. Disconnect the flat cable between the Front Loading unit and P3 connector in figure 1-6-1.
2. Unscrew the 6 screws and remove the Top Plate.
3. Set the VFK1587 (NEUTRAL Position Fixture) as shown in figure 1-6-2.
4. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”.
   Place the unit in the loading completion mode without cassette tape. (Refer the following note 1)
5. Adjust the base position of Tension Regulator Board so that the voltage at TP3 is within the specification.
   To adjust the base position of Tension Regulator Board, loosen the screw (A) and move the lever (D) by using a non-magnetic screwdriver. To fix the base, tighten the screw (A).

Note:

Loading Operation without Cassette Tape

1) Turn on the Dip Switch (SW1, pin 2) on the VOUT/SYS Board.
2) Set the LOCAL/MENU/REMOTE switch on the Front Panel to the MENU position so that the VTR is Service Menu Mode.
3) Turn off the REC INHIBIT switch on the front panel.
4) Select 00: SERVO ADJUST by using “+” or “-“ button and then press the MODE button...
5) Select A07: TENSION by using “+” or “-“button and then press the MODE button so that the VTR becomes the loading completion mode without cassette tape.

Change to Normal Operation

1) Press the MODE switch while pressing the PAGE button so that the SERVICE MENU changes to the TOP MENU.
2) Set the LOCAL/MENU/REMOTE to LOCAL or REMOTE position so that the VTR is placed in the normal mode.
3) Turn the DIP switch (SW1, pin 2) off.

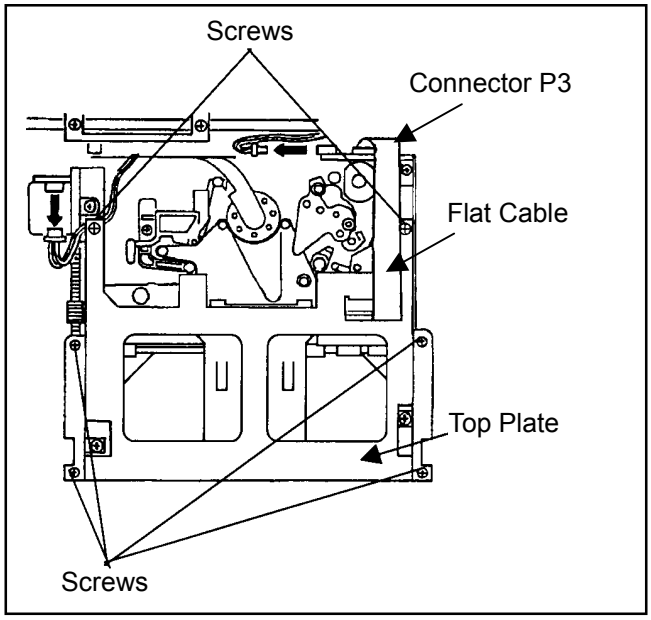


Figure 1-6-1

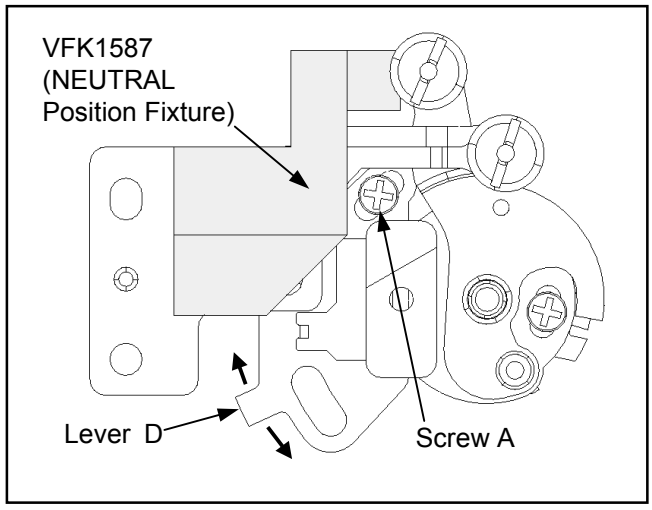


Figure 1-6-2

1-7. PLAY Voltage Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	VR2: Mech. I/F Board
MODE	STOP
TOOL	VFK1588 (PLAY Position Fixture) Digital Volt Meter
SPEC.	3.8 V ± 0.05 V

1. Set the VFK1588 (PLAY Position Fixture) as shown in the figure 1-7-1.
2. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”.
   Place the unit in the loading completion mode without cassette tape. (Refer the note in Paragraph 1-6.)
3. Adjust VR2 so that the voltage at TP3 is in the specification.

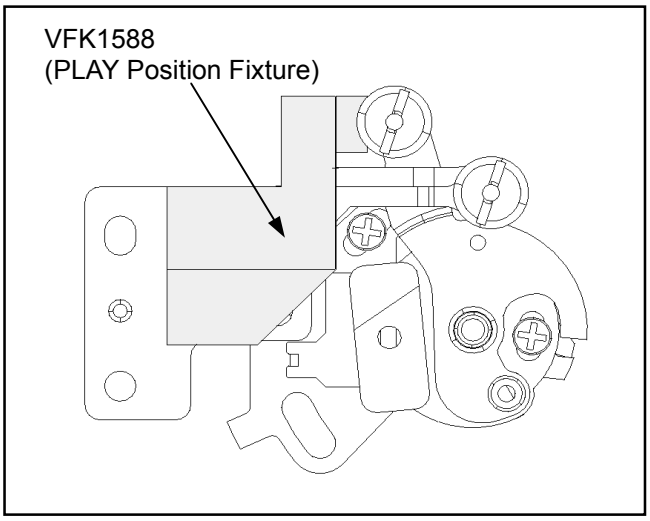


Figure 1-7-1

1-8. Tension Regulator Spring Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	Tension Spring Adjust Screw
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter
SPEC.	100mN ± 10mN (1gf ± 1gf)

1. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”.
   Place the unit in the loading completion mode without cassette tape. (Refer the note in Paragraph 1-6.)
2. Push the tension post in the direction R by the tension gauge under the loading condition until the output voltage reaches 3.8V (Play position).
3. Adjust the Tension Regulator Spring Adjust Screw while keeping the voltage 3.8V so that the measured value by the Torque gauge is within the specification. (Refer to the figure below.)

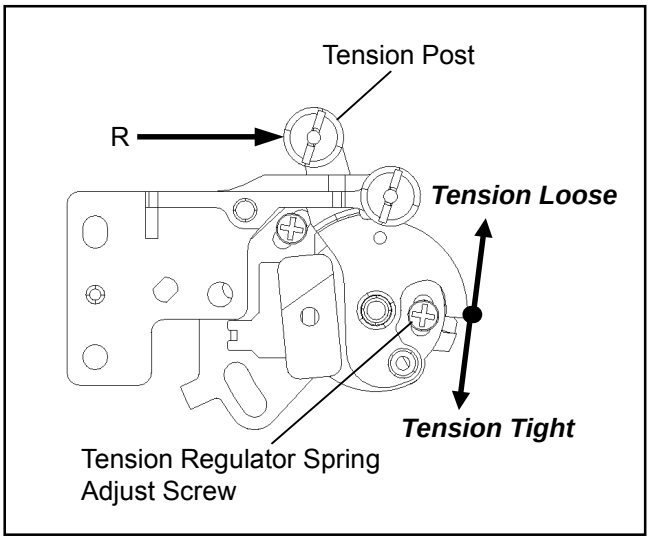


Figure 1-8-1

1-9. REV Tension Confirmation

TP	TP3: A_PROC Board (Slot 2)
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter
SPEC.	180mN ± 20mN (18gf ± 1gf)

1. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”. Place the unit in the loading completion mode without cassette tape. (Refer the note in Paragraph 1-6.)
2. Push the tension post to the direction R by the tension gauge under the loading condition until the output voltage reaches 1.1V (REV position).
3. Confirm that the measured value by the Torque gauge is within the specification while keeping the voltage 1.1V.
4. If it is out of specification, readjust the “1-8. Tension Regulator Spring Adjustment”.
5. After finishing the A/C Head adjustment, one drop of screw lock tight glue should be applied to the portions (A) and (B) as shown in figure 1-9-1.

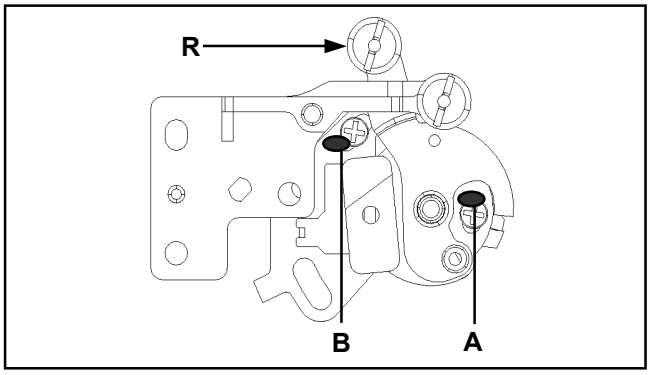


Figure 1-9-1

1-10. Tension Confirmation

MODE	PLAY, REV x-1
TAPE	66min. M-Cassette (Beginning)
TOOL	VFK1145A (Tension Meter)
SPEC.	PLAY: 59mN ± 10mN (6gf ± 1gf)

* Please calibrate Tension Meter before tension measurement by the following procedure.

<Calibration of the Tension Meter>

1. Attach the 7 grams calibration weight to DVCPRO tape. (The plumb is included in VFK1145.)
2. Set the above tape to the Tension Meter as shown in figure 1-10-1.
3. Pull up the tape at 33mm/sec speed to the direction of tape running, and calibrate the Meter so that the meter shows 68.6cN (7g).

* To calibrate Tension Meter the tape must be pulled up in the direction of tape path of VTR as shown in figure 1-10-1.

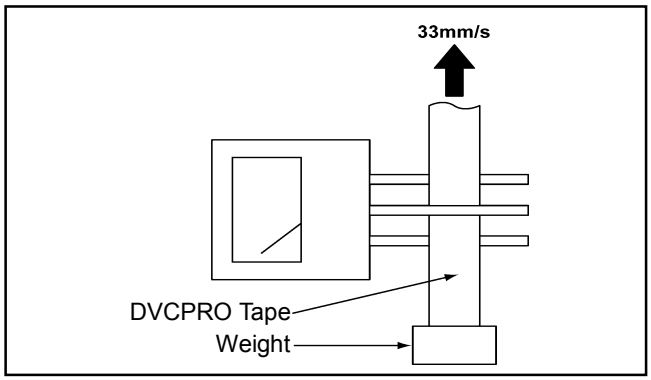


Figure 1-10-1

<Confirmation>

1. Play back the beginning of tape.
2. Insert the tension meter between S2 post and S3 post as shown in figure 1-10-2.
3. Confirm that the tension is within the specification.
4. If it is out of specification, follow the flowchart of the Tension Arm Adjustment.

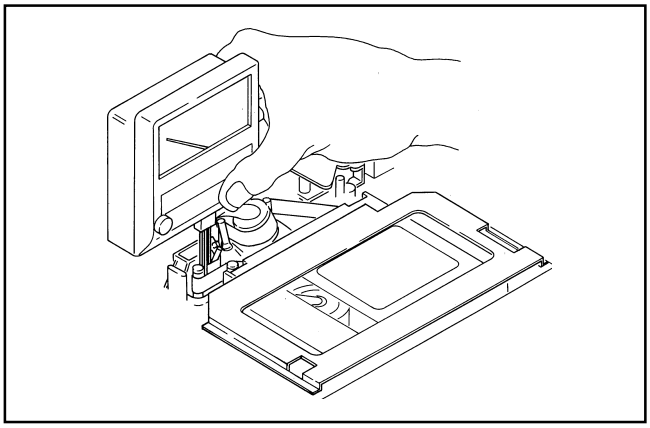
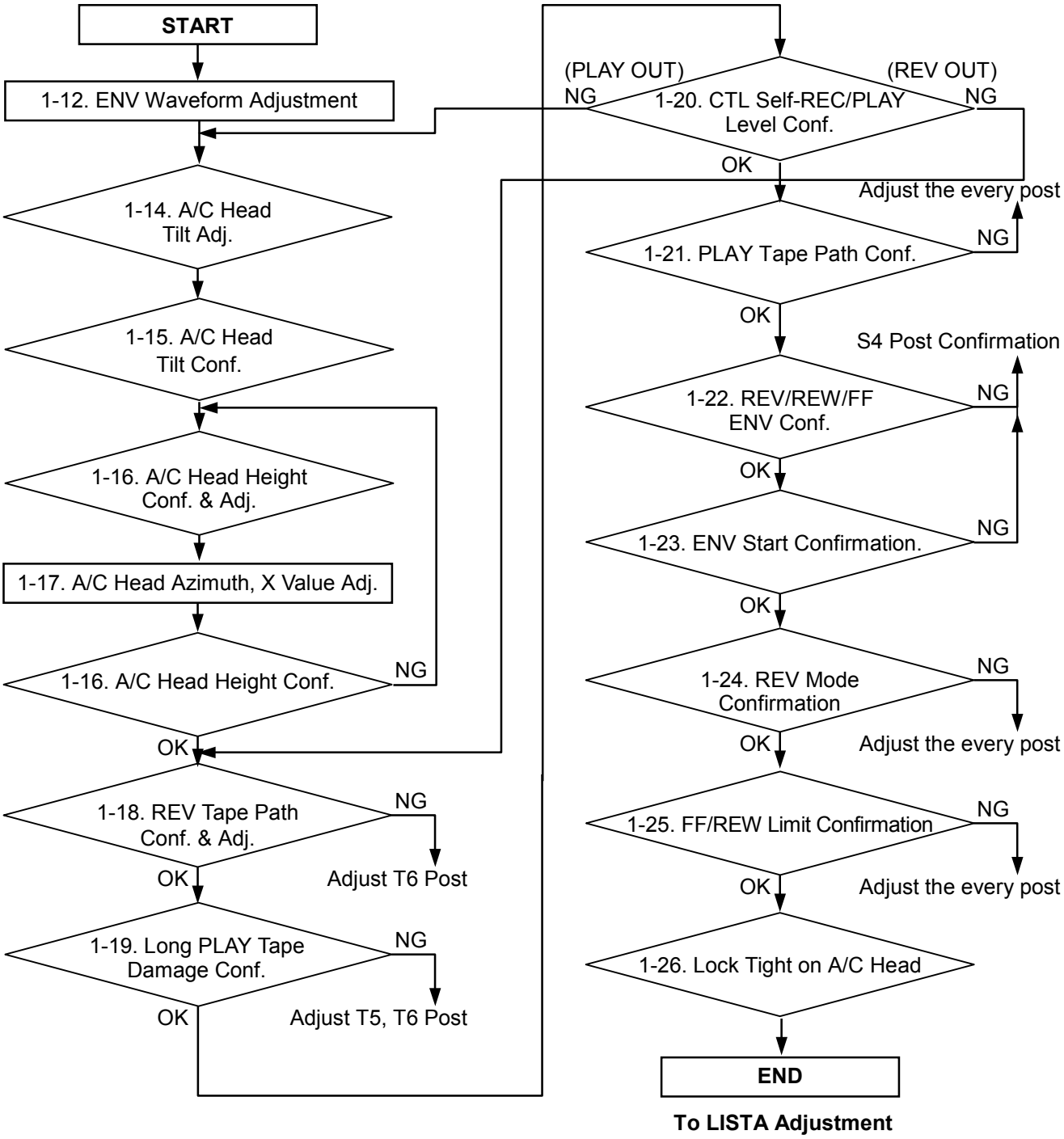


Figure 1-10-2

NOTE:
Do not use any alignment tape for this adjustment.
Pay attention not to damage the tape.

1-11. Tape Path Adj. Procedure



1-12. ENV Waveform Adjustment

TP	TP105: R/P L ENV (RF/EQ Board: Slot 1) TP5: R/P L HSW (RF/EQ Board: Slot 1)
ADJ.	S2, T2 Post Height
MODE	PLAY (ATF)
TAPE	VFM3580KM or VFM3580KL
M. EQ	Oscilloscope
TOOL	VFK1149B (Post Driver)
SPEC.	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8

1. Play back the alignment tape.
2. Adjust the T2 post and then the S2 post height so that the ENV output is within the specification.
   Upon adjusting the S2 and T2 posts, first make a post higher until the output becomes small, and then lower until the output becomes flat.
3. After the adjustment, unload and load a tape and confirm that the envelope is still in the specification as shown in figure 1-12-1.

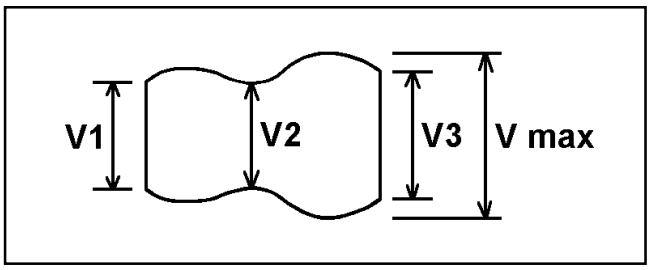


Figure 1-12-1

1-13. A/C Head Adjustment Method (Summery)

Adjustment Item	Screw	Adjustment Method	Torque
Tilt Adj.	A	1) Adjust screw (A) after loosen screw (G). Counter clockwise (Tighten) --- Decrease Cue Level. Clockwise (Loosen)--- Increase Cue Level 2) Tighten screw (G) after finishing adjusting the screw (A). (Refer to following item “Azimuth Fix”.)	(Adjustment)
Azimuth Adj.	F	1) Phase is adjusted by screw (F) after loosen screw (G). 2) Tighten screw (G) after finishing adjusting the screw (F). (Refer to following item “Azimuth Fix”.)	(Adjustment)
Azimuth Fix	G	Screw (G) should always be tightened during adjustment except Tilt and Azimuth adjustments.	10cN·m (1.0Kgf·cm)
Height Adj.	B	Counter clockwise (Tighten): In case CTL level increases by pressing down the A/C Head. Clockwise (Loosen): In case CTL level increases by lifting up the A/C Head. **NOTE 1: Please refer to figure 1-13-2 for the portion to lift up and press down the A/C Head.** **NOTE 2: To lift up and press down A/C Head, do it gently by finger.**	(Adjustment)
Height Fix	H	After the height adjustment, tighten screw (H) to fix height of A/C Head.	25cN·m (2.5Kgf·cm)
X-Value Adj.	C, D	1) Adjust X-Value at Hole (E) by VFK0357, then tighten the screw (C) and (D) to fix A/C Head horizontal position. 2) Tap the portion shown in the fig. 1-13-3 to confirm the phase shift.	25cN·m (2.5Kg·cm)

Screw	Tool for Adjustment
B	VFK1150A (5.5mm Nut Driver)
A, F	VFK1178A (0.89mm Hex Driver)
C, D, G, H	VFK1148A (1.5mm Hex Driver)
Hole E	VFK0357 (Eccentric Driver)

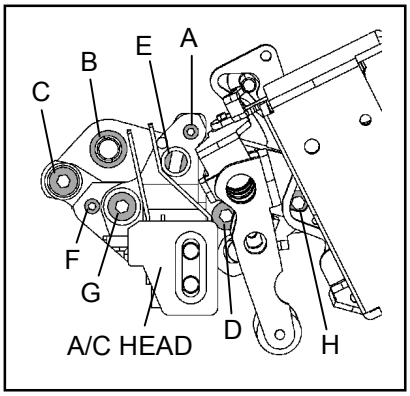


Figure 1-13-1
A/C Head Adjust Screws

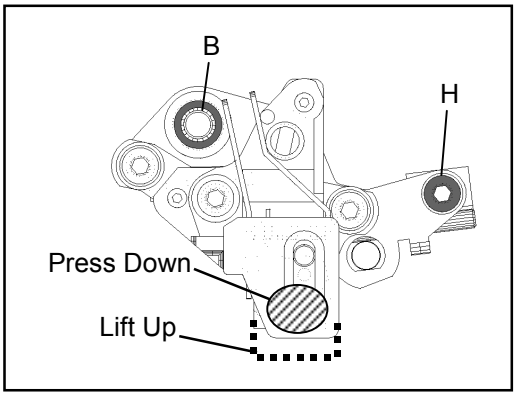


Figure 1-13-2
A/C Head Height Confirmation

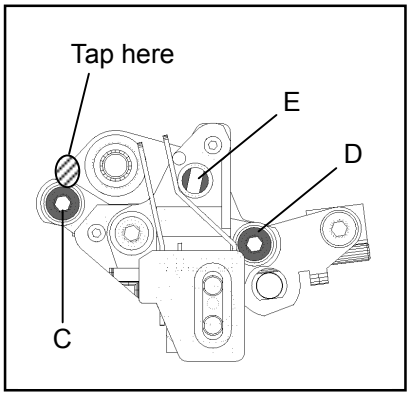


Figure 1-13-3
A/C Head X-Value Adjustment

1-14. A/C Head Tilt Adjustment

TP	A/C Head Screw (A), (G)
TOOL	VFK1586 (Mech. Neutral plate) VFK1589 (A/C Head Tilt Adjust Tool) VFK1154 (Post Height Adjust Tool) VFK1178A (0.89mm Hex Driver) VFK1148A (1.5mm Hex Driver)
SPEC.	There is no gap between A/C Head and Post Height Adjust Tool. (0° ± 10°)

1. Place the mechanical chassis in the loading completion mode.
2. Mount the A/C Head Tilt Adjust Tool on the Mech. Neutral Plate as shown in figure 1-14-2.
3. Put the Mech. Neutral Plate on the Reel Table.
4. Put the Post Height Adjust Tool along the slope portion of A/C Head Tilt Adjust Tool to A/C Head. Confirm that the Post Height Adjust Tool is fitted to the surface of the A/C Head.

< Note >:

Loosen the screw (G) and adjust the screw (A). Check the gap between the A/C head and post height adjustment tool after the tightening the screw (G) at specified torque.

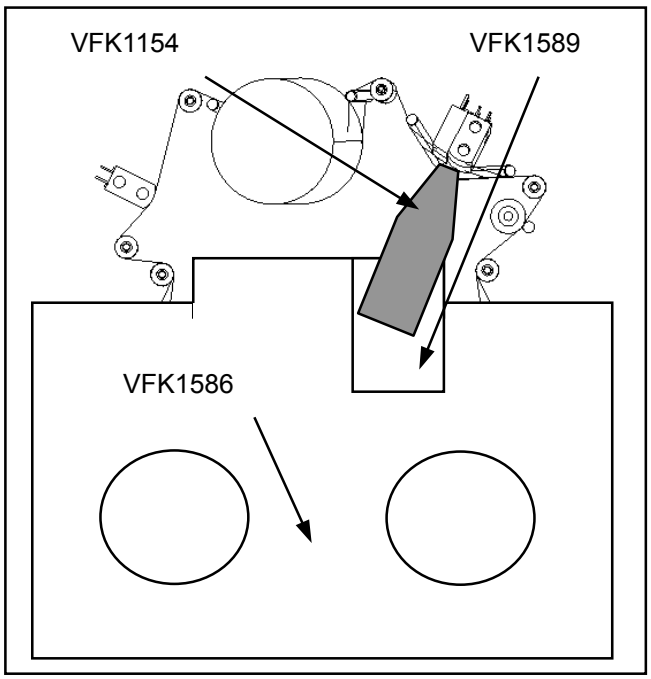


Figure 1-14-1

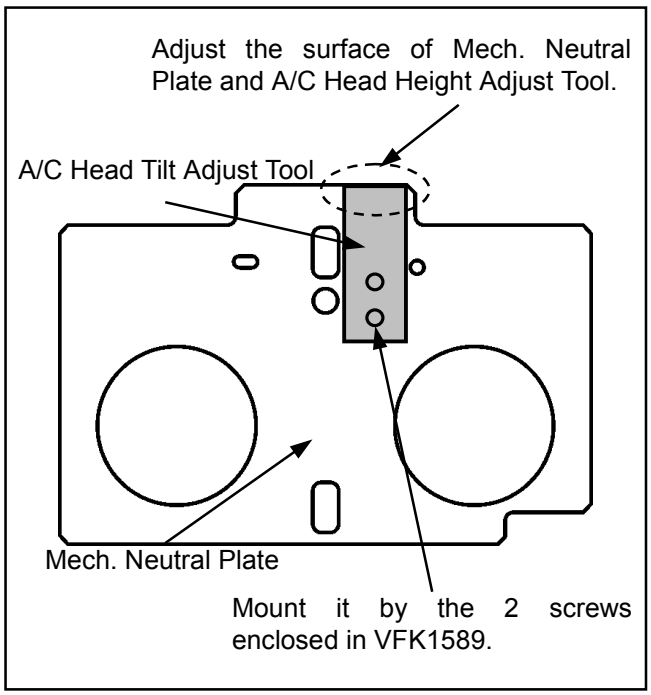


Figure 1-14-2

1-15. A/C Head Tilt Confirmation

TP	TP102: CUE AUDIO (RF_CUE Board)
MODE	PLAY
TAPE	VFM3580KM or VFM2580KL
M. EQ	Oscilloscope
SPEC.	A/Amax ≥ 0.8

1. Confirm the screws (G) and (H) are tightened on A/C head.
2. Play back the 6MHz CUE AUDIO portion of the alignment tape.
3. Press the Tension Arm to the direction P as shown in the figure 1-15-2. Confirm that the fluctuation of output level is within the specification as shown in figure 1-15-1.

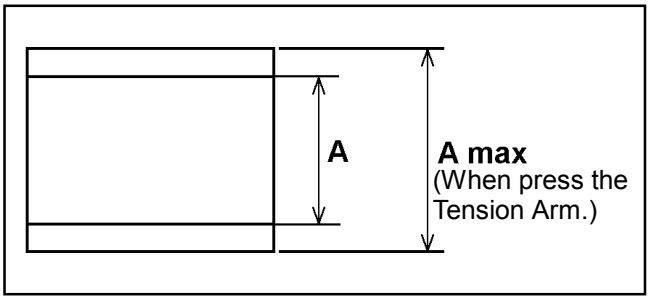


Figure 1-15-1

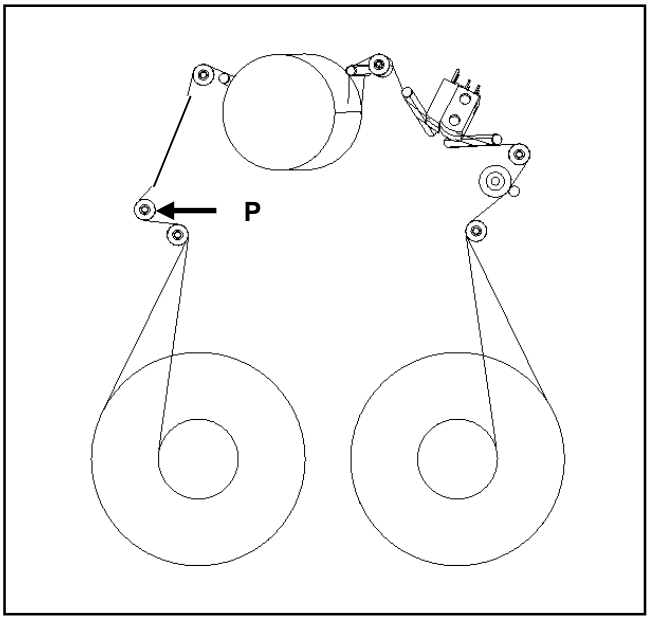


Figure 1-15-2

1-16. A/C Head Height Confirmation & Adjustment

TP	TP102: CUE AUDIO (RF_CUE Board) TP2: CTL (A_PROC Board: Slot 2)
ADJ.	Screw B, H (A/C Head)
MODE	25M Mode PLAY
TAPE	VFM2580KM or VFM2580KL
TOOL	VFK1150A (5.5mm Nut Driver), VFK1148A (1.5mm Hex Driver)
SPEC.	A/Amax ≥ 0.95, C1, C2 ≥ 2.0 V

1. Press down and lift up the A/C Head lightly, and confirm that the CTL and CUE output level is within the specification. (Please refer to the figure 1-13-2 where to lift up and press down.)
2. If it is out of specification, adjust the height to maximize the CUE output level by loosing the screw (H) and turning the screw (B).
3. After adjustment, tighten the screw (H) and confirm the condition.
4. A/C Head Height Adjustment should be done alternately with Azimuth/X-Value Adjustment.

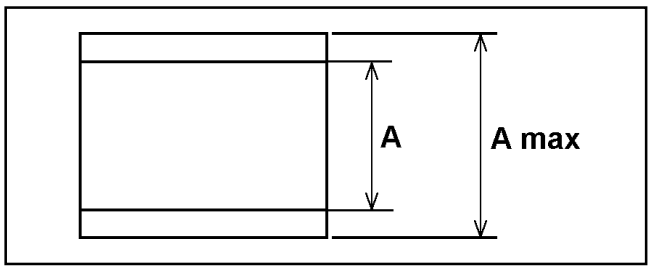


Figure 1-16-1

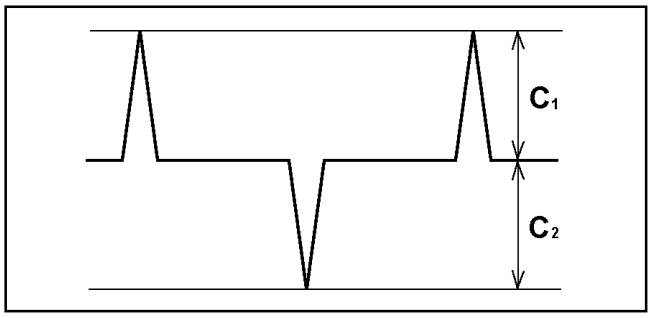


Figure 1-16-2

1-17. A/C Head Azimuth and X-Value Adjustment

SPEC.	1. HDLP Mode: 250us ≤ t1, t2 ≤ +250us 50M Mode: 125us ≤ t1, t2 ≤ +125us 2. X-Value: 27 or Less (Select "X-Value HDLP" on the Service Mnuand confirm the X-Value.)	**TP**	TP105: R/P L ENV (RF EQ Board: Slot 1) TP5: R/P L HSW (RF EQ Board: Slot 1) TP102: CUE (RF CUE Board: Slot 2) TP4: CTL (A PROC Board: Slot 2)
		M. EQ	Oscilloscope
		TOOL	VFK0357 (Eccentric Driver) VFK1148A (Hex Driver) VFK1209A (Torque Driver) VFK0912 (Post Axis Driver)
ADJ.	A/C Head		
MODE	See below		
TAPE	VFM3582KM or VFM3582KL		

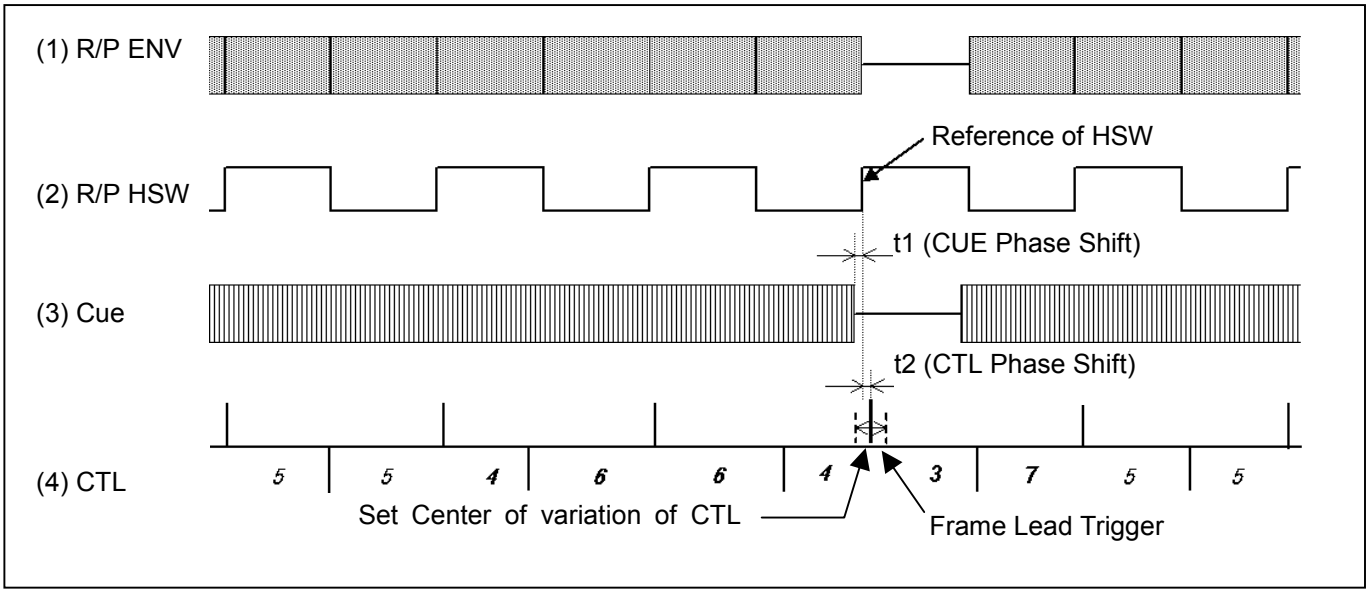


Figure 1-17-1

1. Play back the X-Value Alignment Tape in the 50M mode.
2. Adjust the Azimuth so that the reference CTL matches with non-recorded portion of the CUE in the phase (t2). (Refer to the Paragraph “1-13. A/C Head Adjustment Procedure”)
3. Confirm the non-recorded portion of R/P ENV, and select proper HSW.
4. Adjust X-Value so that the reference of HSW matches with the CTL frame lead trigger in the phase (t1). To adjust X-value, loosen the screws (C) and (D), and adjust the hole (E) by using the Eccentric Driver. At this time adjust the phase simultaneously with the Azimuth so that the CTL and CUE phase is kept.
5. After tightening the every screw on the A/C Head, tap the top plate (portion as shown in figure 1-13-3) of A/C Head, and then confirm the phase does not shift.
6. Select the SERVO ADJUST menu on the Service Menu, and select the item “A13: X-VALUE HDLP”.
7. Play back the Alignment Tape, and press the “F” button and confirm that the “PLAY ALIGNMENT TAPE OK?” message appears.
8. Press the “F” button for more than 3 seconds so that the measuring value is displayed on the screen.

1-18. REV Tape Path Confirmation and Adjustment (T6 Post Height)

ADJ.	T6 Post Height
TP	TP4: A PROC Board (Slot 2)
MODE	25M PLAY (+1) 25M REV (-1):
TAPE	VFM3582KM or VFM3582KL
TOOL	VFK1148A (Post Driver)
SPEC.	C1 ≥ Cp1 x 0.75 C2 ≥ Cp2 x 0.75 Lower limit at T5 post in REV –1.0 mode. Tape has no curl and bent at T5 and T6 Post.

<How to place the VTR in the REV -X1>

1) Open the service menu.
2) Press the both “PLAY” and “REW” button together in the VTR operation mode.

1. Perform 1x and –1x playback alternately. Confirm the CTL output level is within the specification in the figure 1-18-1. If it is out of specification, adjust the T6 Post Height.
2. When adjusting a post, try it by 45 degrees step.
3. Place the unit in the –x1 playback again, and confirm that the CTL output level (C1/ C2) is more than 75% of the normal playback (CP1/ CP2).
   Also confirm that the limit condition of the P5 and P6 posts is as shown in figure 1-18-1.
4. If it is out of specification, adjust T6 post height. “1-2. Post Height Pre-Adjustment”.

< Post Limit >

Post	A	B	C	D	E	F
T5	NG	NG	OK	NG	NG	NG
T6	OK	OK	OK	NG	NG	NG

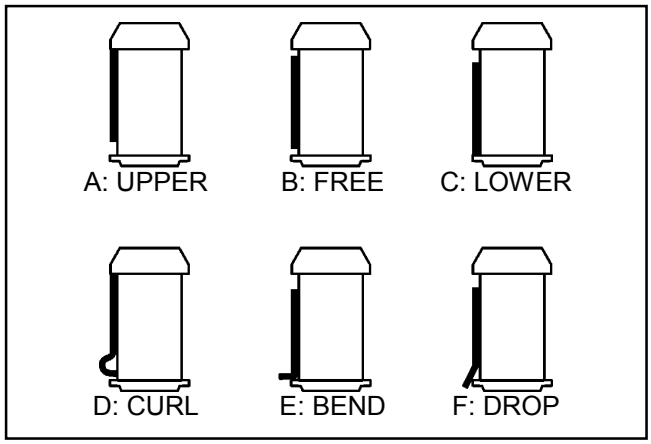


Figure 1-18-1

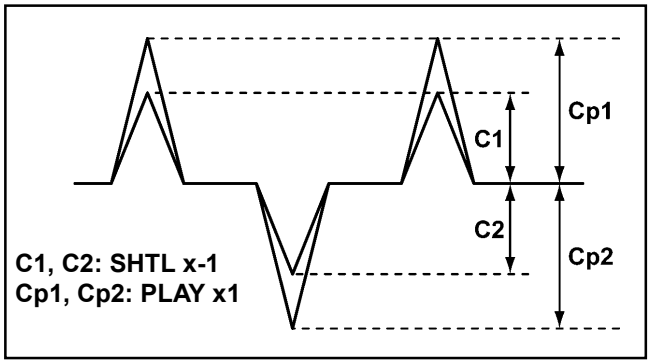


Figure 1-18-2

1-19. Long PLAY Tape Damage Confirmation CUE/REV Damage Confirmation

MODE	Change CUE and REV x-1 mode alternately
TAPE	Long PLAY Tape L-Cassette (Beginning) (AJ-5P93LP: Recorded Tape)
SPEC.	No damage on the tape at T5 and T6 posts

1. Prepare a 50M recorded tape.
   Confirm that there is no tape damage in intermittent mode and while switching CUE and REV.
2. If it is out of specification, adjust T5 and T6 posts height by following the Paragraph “1-2. Post Height Pre-Adjustment”.

Note :
See page MECH-1 for post location.

1-20. CTL Self-REC/PLAY Output Level Confirmation

TP	TP4: A PROC Board (Slot 2)
MODE	PLAY REV x 1 REV x 0.2
TAPE	Blank M Cassette Tape
M. EQ	Oscilloscope
SPEC.	See below

(Specification)

CTL Output Level: C1, C2		
PLAY	REV x -1	REV x -0.2
C1,C2 ≥ 1.8V	C1,C2 ≥ 1.4V	C1,C2 ≥ 1.2V

1. Confirm all screws of the A/C Head are fixed.
2. Record and play back any signal. Confirm that the CTL output level on each mode is within the specification.
3. In case PLAY mode is out of specification, confirm the A/C Head Height again. (Refer to Paragraph "1-16. A/C Head Height Confirmation".)
4. In case REV x-1 mode is out of specification, confirm the T6 Post Height again. (Refer to Paragraph "1-18. REV Tape Path Confirmation and Adjustment".)

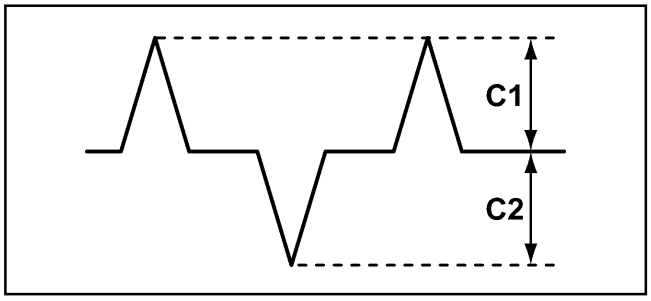


Figure 1-20-1

1-21. PLAY Tape Path Limit Confirmation

MODE	PLAY
TAPE	VFM3580KM or VFM3580KL
SPEC.	See below

1. Play Back the tape and confirm the post limits by eyes.

Post Name	Tape Limit (see figure)					
	A	**B**	**C**	**D**	**E**	**F**
S4 Post	NG	OK	OK	NG	NG	NG
S3 Post	NG	NG	OK	NG	NG	NG
S2 Post	OK	NG	NG	NG	NG	NG
T2 Post	OK	NG	NG	NG	NG	NG
T5 Post	NG	NG	OK	NG	NG	NG
T6 Post	OK	OK	OK	NG	NG	NG

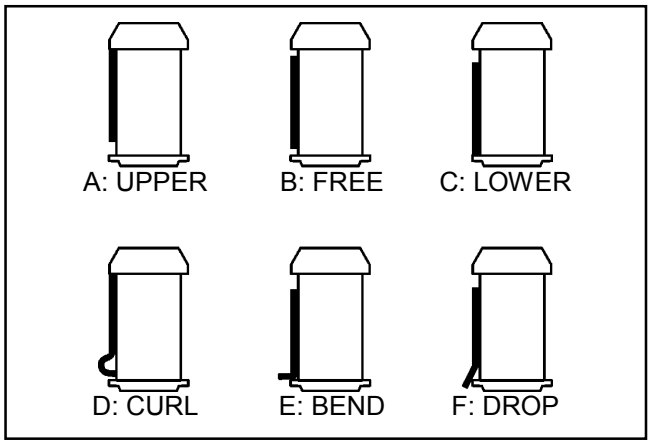


Figure 1-21-1

2. If any is out of specification, confirm an appropriate adjustment point.

Post Name	Adjust	Procedure
S4 Post	S3, S4 Post	Post Height Pre-Adjustment
S3 Post		
S2 Post	S2, T2 Post	Envelope Waveform Adjustment
T2 Post		
T5 Post	T5 Post	Post Height Pre-Adjustment
T6 Post	T6 Post	

Note :
See page MECH-1 for post location.

1-22. Envelope Confirmation on REV/REW/FF mode

TP	TP105: A PROC Board (Slot 2) TP5: A PROC Board (Slot 2)
MODE	REV, REW, FF
TAPE	VFM3580KM or VFM3580KL
M. EQ	Oscilloscope
SPEC.	Waveform should be Diamond Style. All the peak level should be more than 90% of maximum level. V/V max ≥ 0.9

1. Confirm that the envelope in REV, REW and FF mode is as follows:
   - Waveform must be diamond shape.
   - All peak levels must be more than 90% of maximum level.
     V/V max ≥ 0.9
2. If it is out of specification, adjust S3 post height. (Refer to the paragraph "1-2. Post Height Pre-Adjustment".)

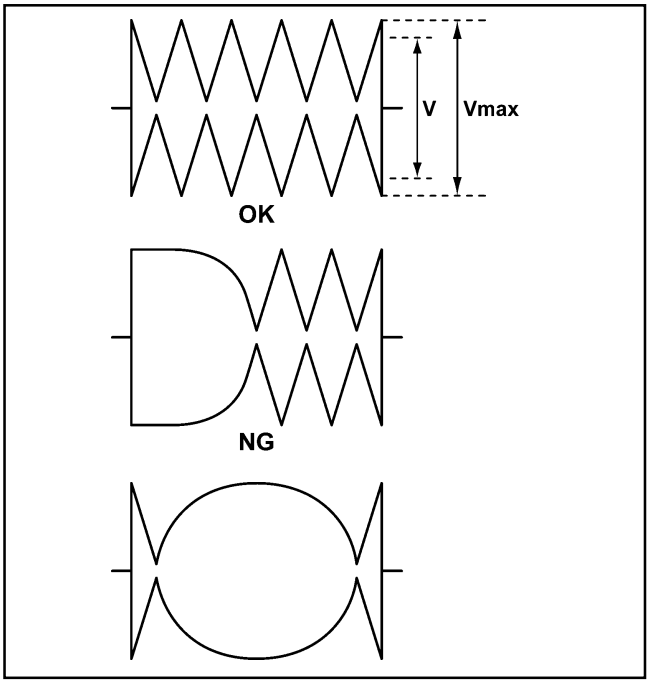


Figure 1-22-1

1-23. Envelope Start Confirmation

TP	TP105: A PROC Board (Slot 2) TP5: A PROC Board (Slot 2)
MODE	REW/REV → PLAY, FF → PLAY Loading completion → PLAY,
TAPE	Beg. of L-Cassette (123 min., Recorded)
M. EQ	Oscilloscope
SPEC.	Envelope comes immediately

This adjustment must be done after "Envelope Waveform Adjustment".

1. Confirm that the envelope comes immediately, when the mode switches from REW to PLAY, REV to PLAY, FF to PLAY and Lording to PLAY and STBY OFF to PLAY mode.
2. If it is out of specification, adjust the post height of the S3 post. (Refer to the paragraph "1-2. Post Height Pre-Adjustment".)

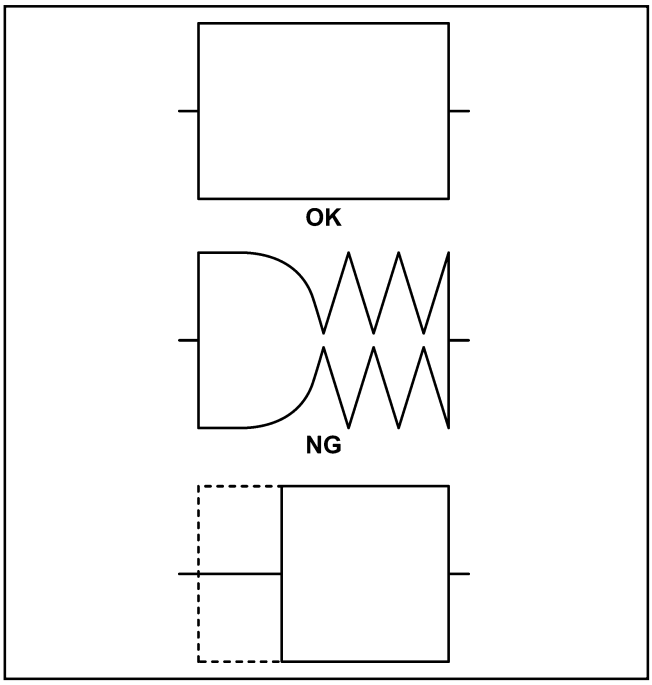


Figure 1-23-1

1-24. REV mode Confirmation

MODE	REW
TAPE	VFM3580KM or VFM3580KL
SPEC.	See below

1. Place the unit in REV mode and confirm each post limit.
2. This confirmation must be done after all tape path adjustments.

Post Name	Tape Limit (see figure)					
	A	**B**	**C**	**D**	**E**	**F**
S4 Post	OK	OK	OK	NG	NG	NG
S3 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S2 Post	OK	NG	NG	NG	NG	NG
T2 Post	OK	OK	OK	NG	NG	NG
T5 Post	NG	NG	OK	NG	NG	NG
T6 Post	OK	OK	OK	NG	NG	NG

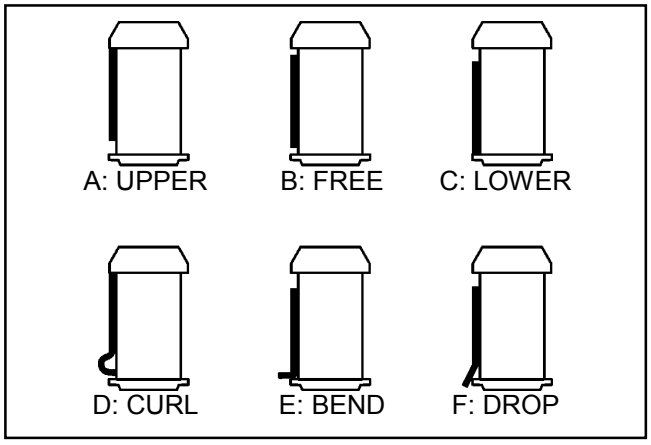


Figure 1-24-1

Note :

See page MECH-1 for post location.

1-25. FF/REW mode Limit Confirmation

MODE	FF, REW
TAPE	VFM3580KM or VFM3580KL
SPEC.	See the following table.

1. Place the unit in FF and REW mode and confirm each post limit.
2. This confirmation must be done after all tape path adjustments.

Post Name	Tape Limit (see figure 1-24-1)					
	A	**B**	**C**	**D**	**E**	**F**
S4 Post	OK	OK	OK	NG	NG	NG
S3 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S2 Post	OK	NG	NG	NG	NG	NG
T2 Post	OK	OK	OK	NG	NG	NG
T5 Post	OK	OK	OK	NG	NG	NG
T6 Post	OK	OK	OK	NG	NG	NG

1-26. Lock Tight on A/C Head

<A/C Head Screw Lock Tight>

	Screw A, F	**Screw G**
Lock Tight Glue Quantity	Half of the Screw G	1/3 of the Screw

1. Fix the screw by the Lock Tight Glue after A/C Head Adjustment as shown in the figure below.
2. Remove the screw lock tight upon the adjustment.

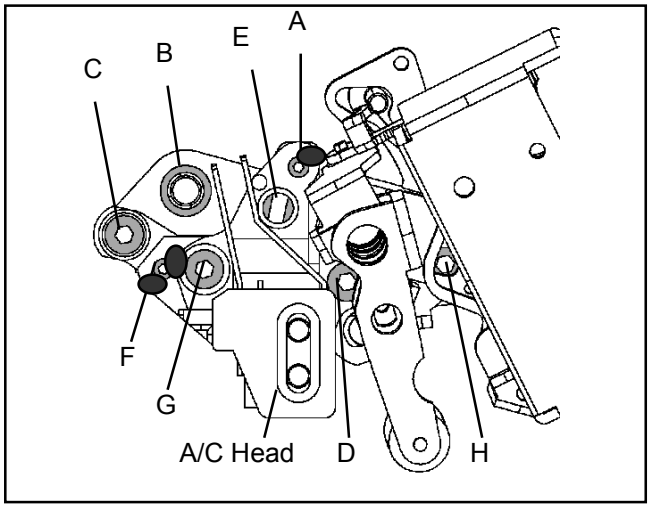
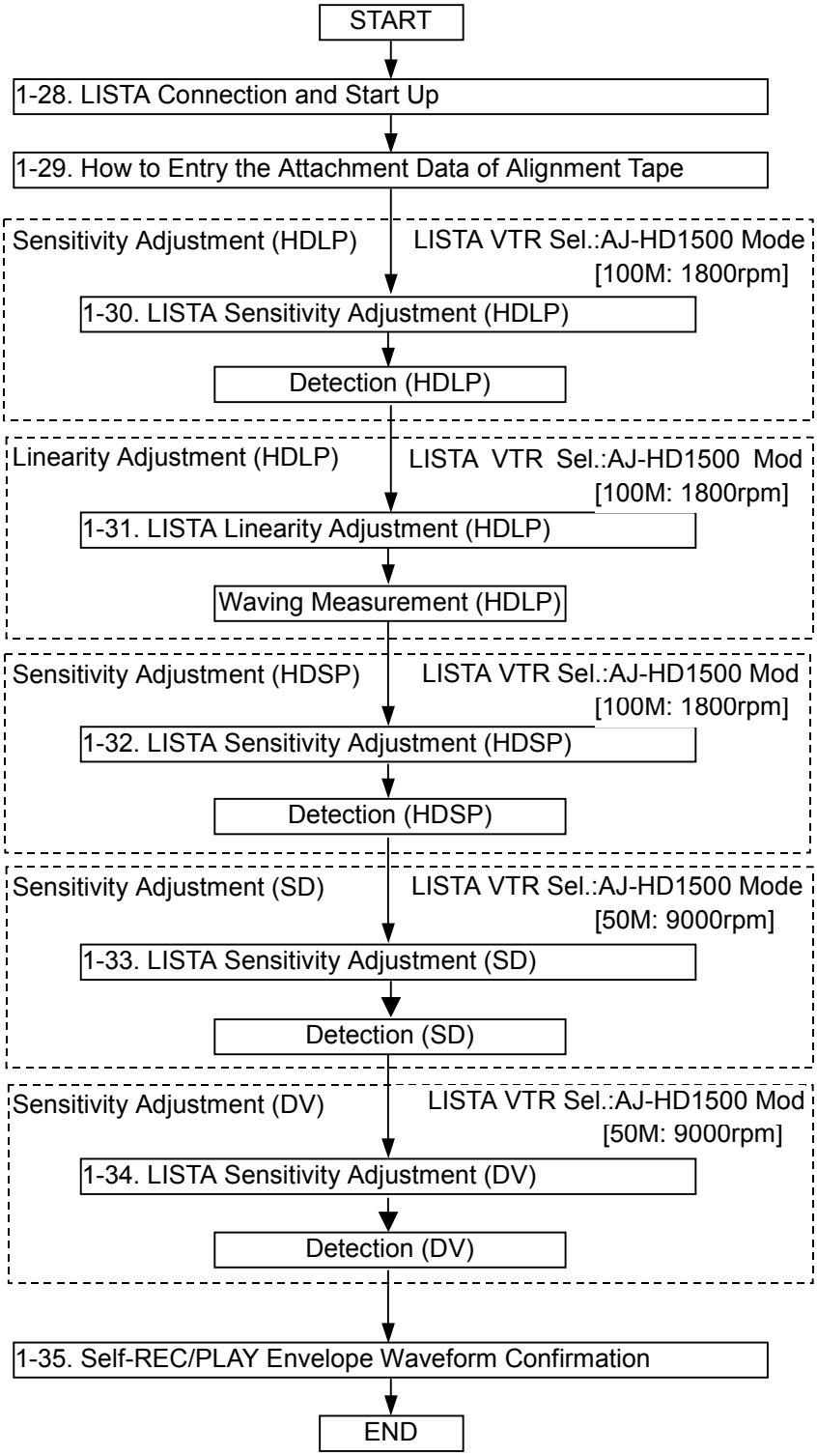


Figure 1-26-1

1-27. LISTA Adjustment Procedures

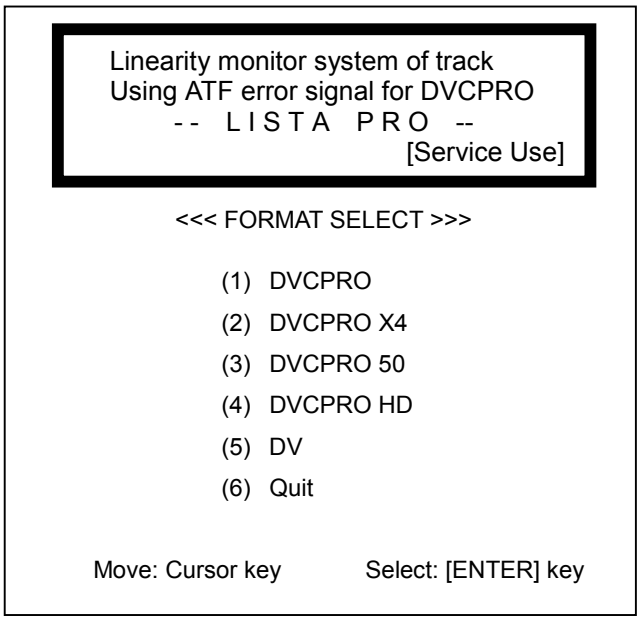


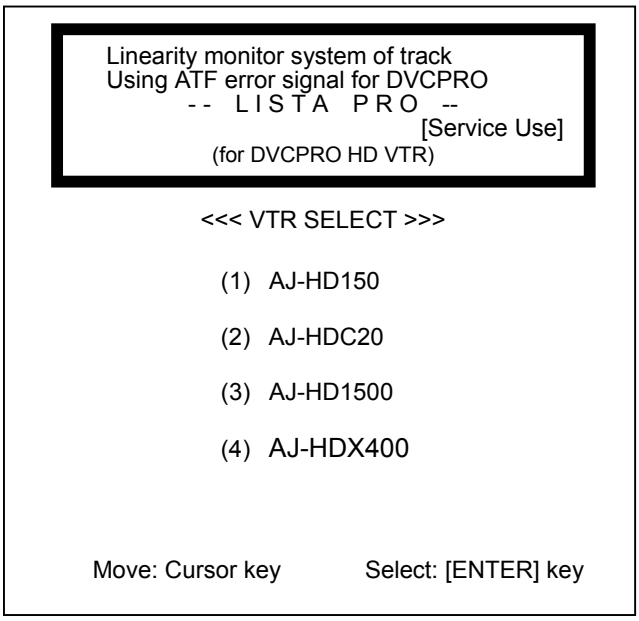
1-28. LISTA Connection and Start Up

TAPE	VFM3781KML (LISTA), VFK3581KM/L (LISTA), VFM3000EDS (DV LISTA)
M. EQ	Personal Computer with A/D Board installed (Requires Window 95® or 98® and computer must have LSA slot.)
TOOL	VFK1481N (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (A/D Converter Board)
TP	TP405: ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP402: ATF ERR PBR13 (RF/EQ Board: Slot 1) TP5: R/P L HSW (RF/EQ Board: Slot 1) TP7: TR L HSW (HDSP/50) (RF/EQ Board: Slot 1) TP2: PB R13 HSW (DV) (RF/EQ Board: Slot 1)

1. Create a directory and copy all files on the floppy disk (VFK1481N: LISTA Software) to the new directory. (**i.e.:** C: \ LISTA)
2. Connect the LISTA cable to A/D Board in the PC.
3. Connect the clips of the LISTA cable to test points on the P.C.Board. (Refer to Items “Sensitivity Adjustment” and “Linearity Adjustment”.)
4. Execute the LISTA software on DOS mode by typing ‘LISTA’ and pressing ENTER key.
5. When the **<<< FORMAT SELECT >>>** display appears, select <4> DVCPRO HD.
6. When the **<<< VTR SELECT >>>** display appears, select the item “<3>AJ-HD1500” according to the adjustment item as shown the table below.

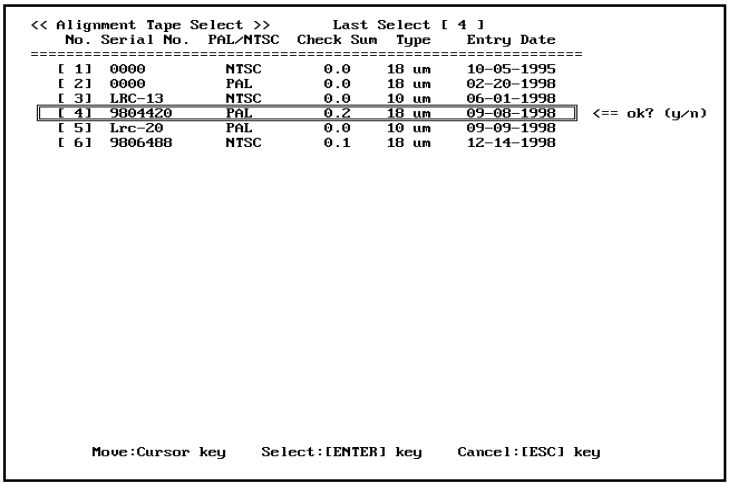
Adjustment Item	VTR SELECT	FORMAT	Alignment Tape
HDLP Sensitivity Adjustment	AJ-HD1500	100M: 1800rpm	VFM3781KML
HDLP Linearity Adjustment			
HDSP Sensitivity Adjustment			VFM3581KM or KL
SD Sensitivity Adjustment		50M: 9000rpm	
DV Sensitivity Adjustment			VFM3000EDS



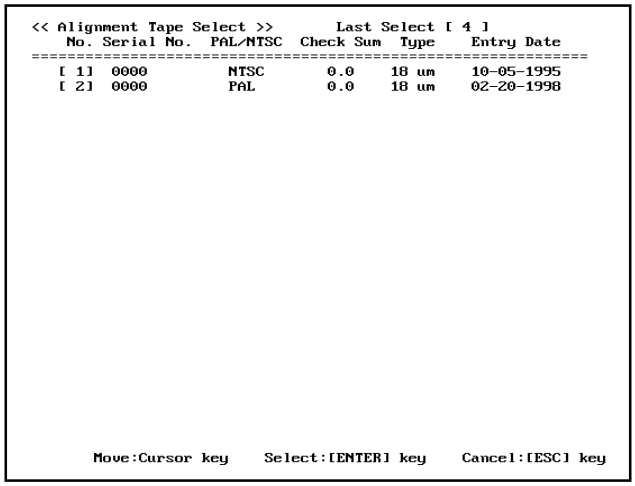


7. Select the Serial number of the Alignment tape on the screen. If the alignment tape to be used is not registered, the compensation data needs to be entered. Press the ESC key, and select the item “<4> Alignment Tape” in the main menu.

< In case Alignment Tape data is already registered >

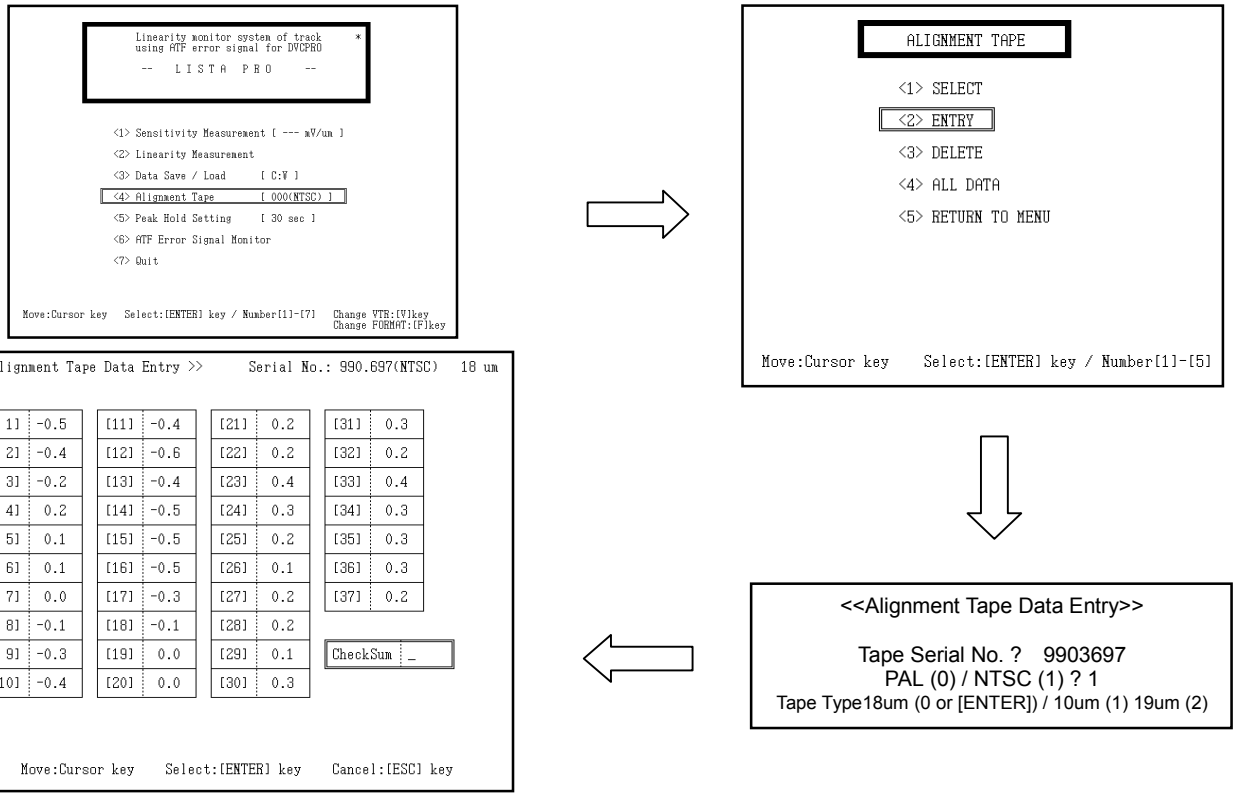


< In case Alignment Tape data is not registered >



1-29. How to Entry the Attachment Data of Alignment Tape

1. Select the item “<4> Alignment Tape” on the LISTA main menu.
2. Select the item “<2> ENTRY” on the alignment menu.
3. In the <<Alignment Tape Data Entry>> screen, input the Serial Number of alignment tape. And input the number “0” or “1” to select the PAL/NTSC. And select the type; “0” for DVCPRO, “1” for DV, or “2” for HDLP.
4. Input the numerical value on the data sheet. If inputting a wrong number.
5. After entry of data, select “<1> SELECT” on the Alignment Tape Menu and select the serial number of the alignment tape.



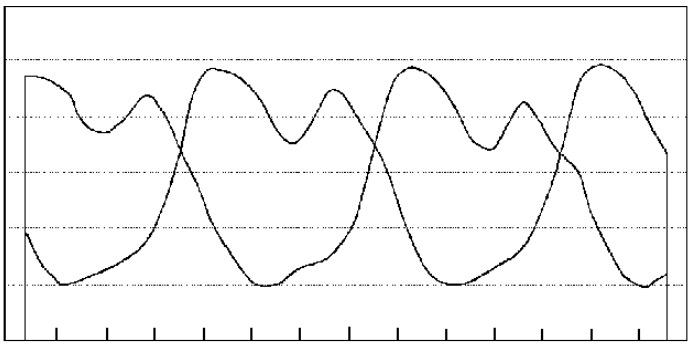
(Numbers are sample only, you must load correct numbers from Alignment Tape.)

1-30. LISTA Sensitivity Adjustment and Detection (HDLP)

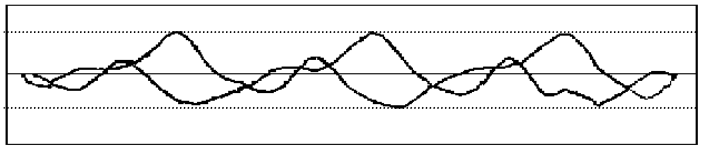
TP	TP405 : ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP5 : R/P L HSW (RF/EQ Board: Slot 1) TG1 : GND (RF/EQ Board: Slot 1)
ADJ. (ATF GAIN)	Service menu: **A08: RPL GAIN HDL**
MODE	PLAY
LISTA	AJ-HD1500 [100M:1800rpm]
TAPE	VFM3781KML (LISTA)
SPEC.	150 ± 15 mV/um

1. Select “<3>AJ-HD1500” [100M: 1800rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST menu and select A08: RPL GAIN HDL.
4. Play back the LISTA Alignment Tape.
5. Select the item “<6> ATF Error Signal Monitor” on the LISTA main menu, and when message “1.2% Speed. . .” appears, press the Enter key.
6. Adjust EVR so that the “Sens. Value 1” on the upper right corner of the screen is within the specification.
7. After the adjustment, press the ESC key to return to the main menu.

<<< 100M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 150.61 mV/um

Sens. L1: 149.43 mV/um

Sens. L2: 151.78 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A08: RPL GAIN HDL.
3. Play Back the LISTA Alignment Tape.
4. Select the item “<1> Sensitivity Measurement” on the LISTA main menu, and then “1.2% Speed. . .” appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and “Sensitivity = Sensitivity Value” are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the “Sensitivity Adjustment” again.

<< Sensitivity Measurement Finish >>

Sensitivity (100M) **150.00 (mV/um)**

Sens. L1 **149.50 (mV/um)**

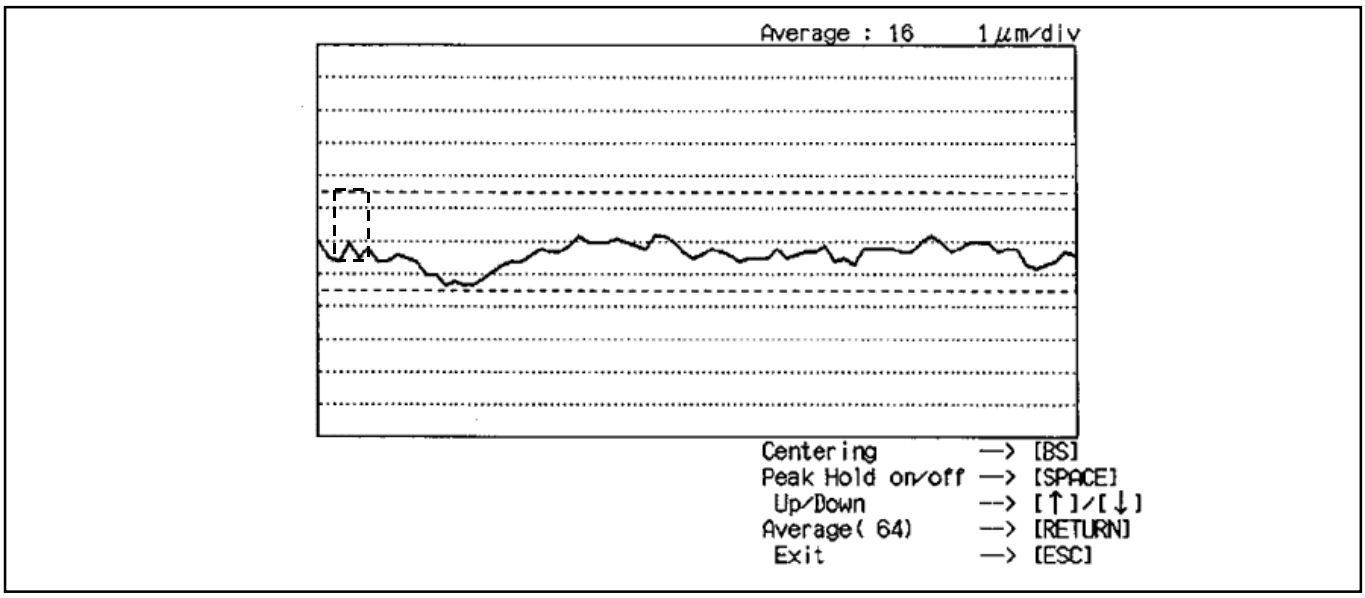
Sens. L2 **150.50 (mV/um)**

Measurement Result

1-31. LISTA Linearity Adjustment and Waving Measurement

TP	TP405: ATF ERR RPL/TRL (RF/EQ Board: Slot 1), TP5: R/P L HSW (RF/EQ Board: Slot 1), TG1: GND (RF/EQ Board: Slot 1)
ADJ.	S2 and T2 Post height Service menu: **A09 RPL LIN HDLP**
MODE	PLAY
TAPE	VFM3781KML (LISTA)
LISTA	AJ-HD1500 [100M: 1800rpm]
TOOL	VFK1149B (Post Driver)
SPEC.	Linearity: less than 3um, Waving: less than 1.5um

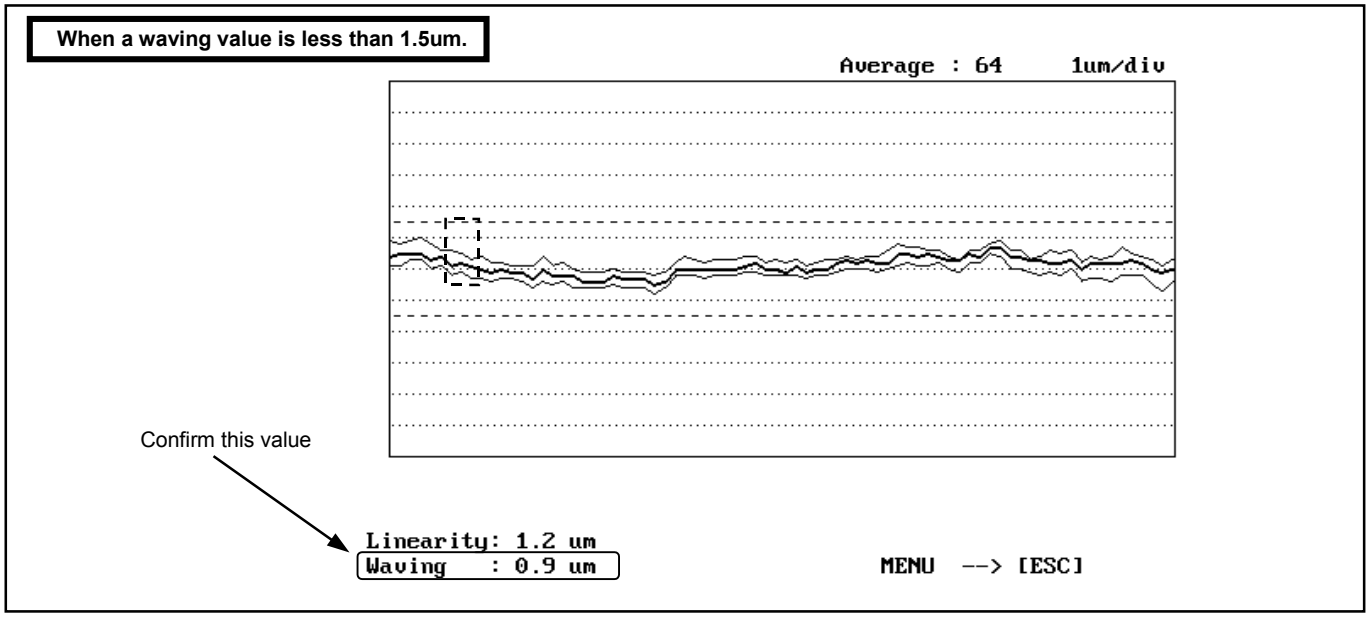
1. Select “<3> AJ-HD1500” [100M: 1800rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST Menu and select the **A09: RPL LIN HDLP** menu.
4. Play Back the LISTA Alignment Tape.
5. Select the item “<2> Linearity Measurement” on the LISTA Main Menu, then Linearity Waveform appears.
6. When the waveform is displayed on the screen, press the “BS (Back Space)” key to cauterize the waveform. Adjust S2 and T2 post heights by using the post driver so that the linearity waveform becomes as flat as possible.
   (♦ Adjust linearity waveform between the red dot lines on the screen. Disregard the bending part at the exit side and the square at the entrance side.)
7. After the Linearity Adjustment, measure the numerical value of linearity and waving by pressing the space key.

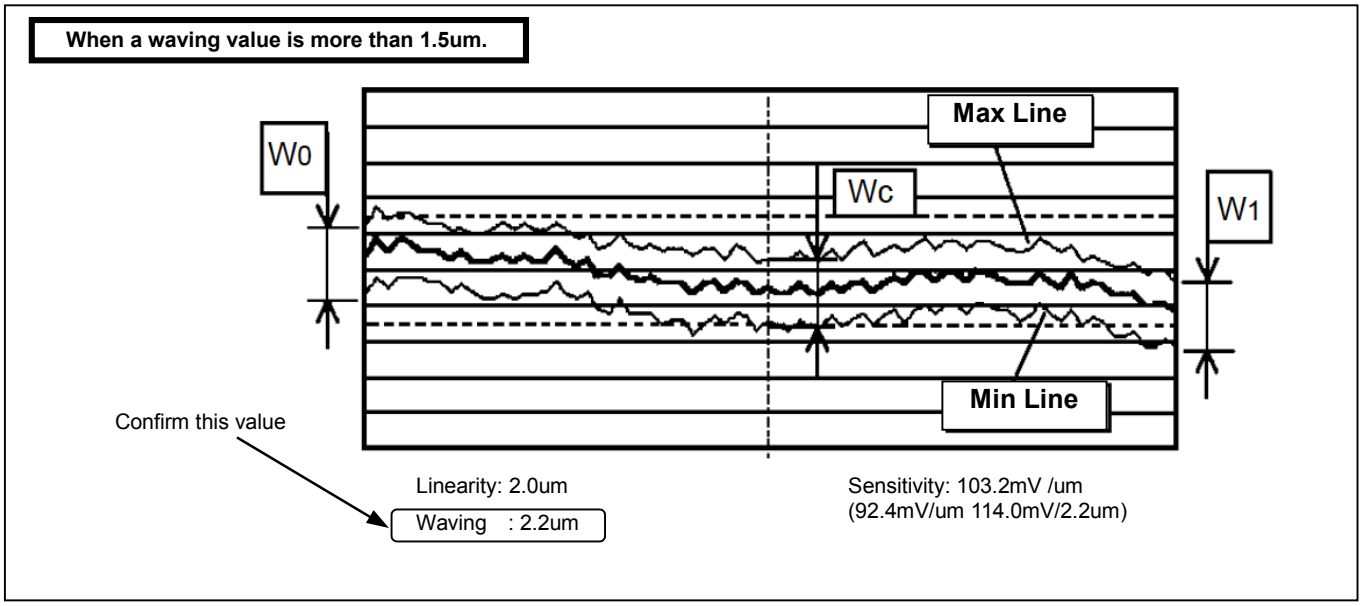


POINT:
The left side of waveform (entrance side) is adjusted by height of S2 post and the right side of waveform (exit side) is adjusted by height of T2 post.
Lower part of above waveform is displayed as the cylinder lead.
When the post driver is removed from a post, linearity waveform may change.
After finishing this adjustment, eject the tape and insert the tape again to confirm that the shape of linearity waveform does not change.

Waving Measurement Procedures

1. Press “SPACE” key to perform the Peak Hold in 30 seconds while linearity is displayed.
2. After sampling the Peak Hold, press “SHIFT” and “ } ” key simultaneously on the Key Board, then the numerical values of “Linearity” and “Waving” are displayed. Confirm that the numerical values are in the specification. Also confirm that the waving level is almost equal from the entrance to the exit side. If the “Linearity” or “Waving” is out of specification, adjust height of S2 or T2 post.
3. Press the ESC key to return to the main menu.





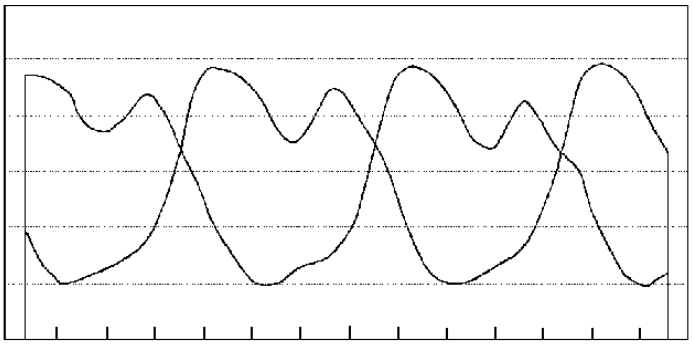
1-32. LISTA Sensitivity Adjustment and Detection (HDSP)

TP	TP405 : ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP7 : R/P L HSW [HDSP/50] (RF/EQ Board: Slot 1) TG1 : GND (RF/EQ Board: Slot 1)
ADJ. (ATF GAIN)	Service menu: A10: RPL GAIN HDS
MODE	PLAY
LISTA	AJ-HD1500 [100M: 1800rpm]
TAPE	VFM3581KM or VFM3581KL [DVCPRO LISTA]
SPEC.	100 ± 10 mV/um

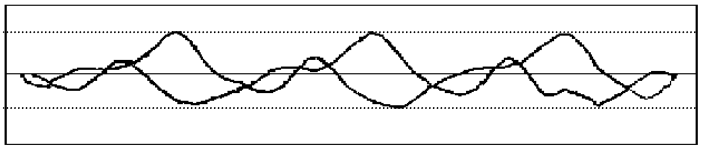
<Sensitivity Adjustment Procedure>

1. Select the AJ-HD1500 [100M: 1800rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
4. Open the SERVO ADJUST menu and select A10: RPL GAIN HDS menu.
5. Play back the LISTA Alignment Tape.
6. Select the item “<6> ATF Error Signal Monitor” on the LISTA main menu, and when message “1.2% Speed. . .” appears, press the Enter key.
7. Adjust EVR so that the “Sens. Value 1” on the upper right corner of the screen is within the specification.
8. After the adjustment, press the ESC key to return to the main menu.

<<< 100M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 150.61 mV/um

Sens. L1: 149.43 mV/um

Sens. L2: 151.78 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A10: RPL GAIN HDS.
3. Play Back the LISTA Alignment Tape.
4. Select the item “<1> Sensitivity Measurement” on the LISTA main menu, and then “1.2% Speed. . .” appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and “Sensitivity = Sensitivity Value” are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the “Sensitivity Adjustment” again.

<< Sensitivity Measurement Finish >>

Sensitivity (100M) **150.00 (mV/um)**

Sens. L1 **149.50 (mV/um)**

Sens. L2 **150.50 (mV/um)**

Measurement Result

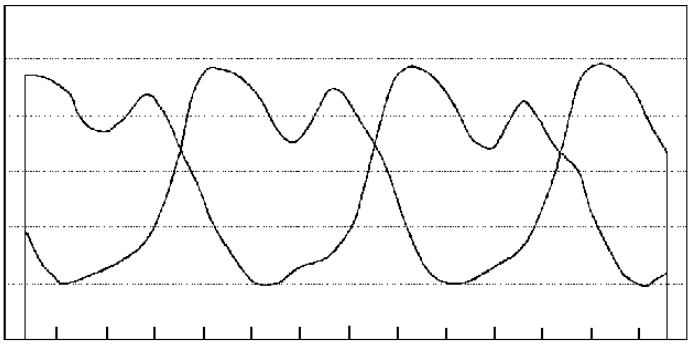
1-33. LISTA Sensitivity Adjustment and Detection (SD)

TP	TP405 : ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP4 : TR L HSW (RF/EQ Board: Slot 1) TG1 : GND (RF/EQ Board: Slot 1)
ADJ. (ATF GAIN)	Service menu: **A11: RPL GAIN 50**
MODE	PLAY
LISTA	AJ-HD1500 [50M: 9000rpm]
TAPE	**VFM3581KM or VFM3581KL [DVCPRO LISTA]**
SPEC.	100 ± 10 mV/um

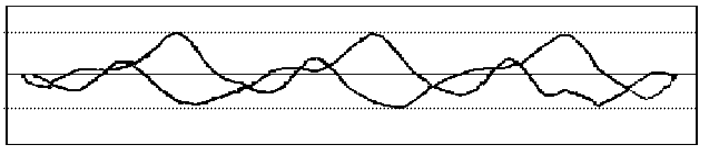
<Sensitivity Adjustment Procedure>

1. Select the "<1> AJ-HD1500" [50M: 9000rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST menu and select "A11: TRL GAIN 50".
4. Play back the LISTA Alignment Tape.
5. Select the item "<6> ATF Error Signal Monitor" on the LISTA main menu, and when message "1.2% Speed…." appears, press the Enter key.
6. Adjust EVR so that the "Sens. Value 1" on the upper right corner of the screen is within the specification.
7. After the adjustment, press the ESC key to return to the main menu.

<<< 50M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 103.62 mV/um

Sens. L1: 102.36 mV/um

Sens. L2: 104.88 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A11: RPL GAIN 50.
3. Play Back the LISTA Alignment Tape.
4. Select the item "<1> Sensitivity Measurement" on the LISTA main menu, and then "1.2% Speed. . ." appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and "Sensitivity = Sensitivity Value" are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the "Sensitivity Adjustment" again.

<< Sensitivity Measurement Finish >>

Sensitivity (50M) 103.62 (mV/um)

Sens. L1 **102.36 (mV/um)**

Sens. L2 **104.88 (mV/um)**

Measurement Result

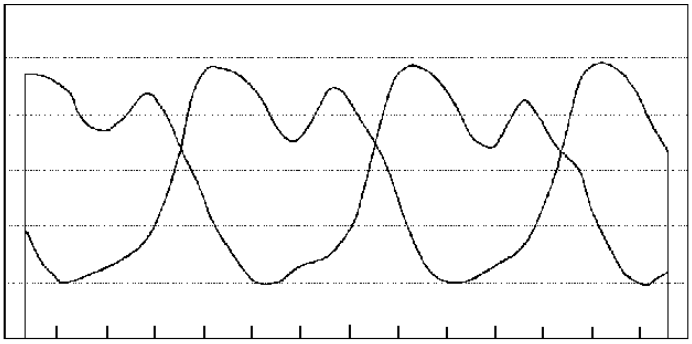
1-34. LISTA Sensitivity Adjustment and Detection (DV)

TP	TP402 : ATF ERR PBR13 (RF/EQ Board: Slot 1) TP2 : R/P R HSW (DV) (RF/EQ Board: Slot 1)
ADJ. **(ATF GAIN)**	Service menu: **A12: RPR GAIN DV**
MODE	PLAY
LISTA	AJ-HD1500 [50M: 9000rpm]
TAPE	**VFM3000EDS (DV LISTA)**
SPEC.	150 ± 30 mV/um

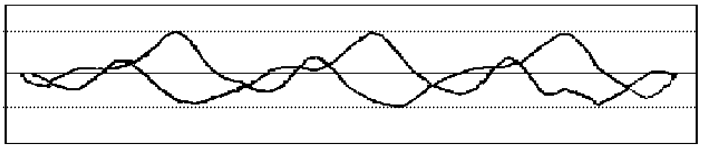
<Sensitivity Adjustment Procedure>

1. Select the AJ-HD1500 [50M: 9000rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST menu and select A12: RPR GAIN DV menu
4. Play back the LISTA Alignment Tape.
5. Select the item “<6> ATF Error Signal Monitor” on the LISTA main menu, and when message “1.2% Speed. . .” appears, press the Enter key.
6. Adjust EVR so that the “Sens. Value 1” on the upper right corner of the screen is within the specification.
7. After the adjustment, press the ESC key to return to the main menu.

<<< 50M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 150.61 mV/um

Sens. L1: 149.43 mV/um

Sens. L2: 151.78 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A12: RPR GAIN DV.
3. Play Back the LISTA Alignment Tape.
4. Select the item “<1> Sensitivity Measurement” on the LISTA main menu, and then “1.2% Speed. . .” appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and “Sensitivity = Sensitivity Value” are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the “Sensitivity Adjustment” again.

<< Sensitivity Measurement Finish >>

Sensitivity (100M) **150.00 (mV/um)**

Sens. L1 **149.50 (mV/um)**

Sens. L2 **150.50 (mV/um)**

Measurement Result

1-35. Self-REC/PLAY Envelope Waveform Confirmation

TP	TP105: R/P L-ENV (RF/EQ Board: slot1) TP5 : R/P L-HSW (RF/EQ Board: slot1) TP101 : PB L13-ENV (RF/EQ Board: slot1) TP102 : PB R13-ENV (RF/EQ Board: slot1) TP103: PB L24-ENV (RF/EQ Board: slot1) TP104 : PB R24-ENV (RF/EQ Board: slot1) TP105: PB TR L-ENV (RF/EQ Board: slot1) TP7: TR L-HSW (RF/EQ Board: slot1)
REC SIG	Internal CW Signal (Refer to the following procedure.)
M. EQ	Oscilloscope
TAPE	Blank M Cassette Tape (66 min.), Blank EX L Cassette Tape (126 min.)
SPEC.	Ordinary M Cassette (66 min.) or L Cassette (126 min): V1/Vmax, V3/Vmax ≥ 0.7, V2/Vmax ≥ 0.8 EX L Cassette: V1/V max, V2/V max, V3/Vmax 0.7

1. Turn off the VTR main power.
2. Temporally lift up the RF_EQ Board and set the jumper switches SW201 and SW202 to the CW Generate Mode (connecting Pin 1 and 2) as shown in figure 1-35-1.

Jumper Switch: SW201, SW202

1 2 3 : Normal Mode
○ [● ●] (Jumper between pins 2 and 3)

1 2 3 : Internal CW Generate Mode
[● ●] ○ (Jumper between pins 1 and 2)

Figure 1-35-1

3. Reinstall the RF_EQ Board to the original slot and turn on the main power.
4. Record the internal CW signal for a few seconds.
5. Open the service menu and select “TRACKING MODE”: CTL and play back the portion just recorded.
6. Adjust “TRACKING VAL” so that the envelope level becomes maximum.
7. Confirm that the envelope output is in the specification.

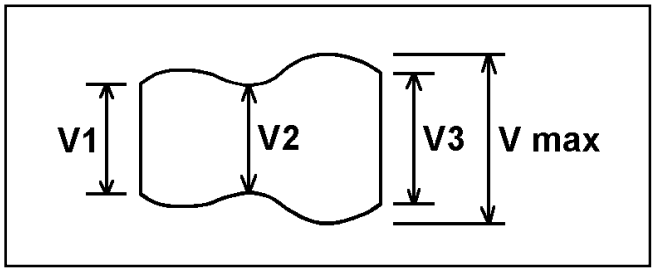


Fig. 1-35-2

8. Perform the same confirmation for each heads as shown the table below.

ENVELOPE	TP	ADJUST MENU	
R/P L-ENV	105	B-1: HDLP_PB	B17: TRACKING MOD = CTL
PB L13-ENV	101	B-2: HDSP	B18: TRACKING VAL = Env. Max.
PB R13-ENV	102		
PB L24-ENV	103		
PB R24-ENV	104		
PB TR L-ENV	105		

9 If it is out of specification, execute the items “ENV Waveform Adjustment” and “LISTA Adjustment”.

2. Replacement and Adjustment Procedures of Major Parts

GENERAL

When mechanical parts are replaced, pay attention to the following notes.

1. Always turn power off before replacing any parts.
2. If any adjustment is required after replacing parts, perform the required adjustment.
3. Use proper tools and fixtures.
4. Be sure to clean the parts after replacement, and also to replace the mechanical parts, following the replacement procedure.

Refer to the Section 1 of Service Information regarding to the each parts maintenance schedule.

2-1. Replacement of Cylinder Unit

(Removal)

1. Disconnect the upper flexible cable which connected to the connector P2 on the RF/CUE Board.
2. Open the Power 3 Board and Servo Board under the Mechanical Cassis.
3. Disconnect the lower flexible cables which connected to the connector P3 and P4 on the RF/CUE Board, and P33 on the MECHA I/F Board.
4. Unscrew the 3 screws (A) (with spring) which fix the Cylinder Unit as shown in Figure 2-1-1, then remove the Cylinder Unit without touching any mechanical parts.

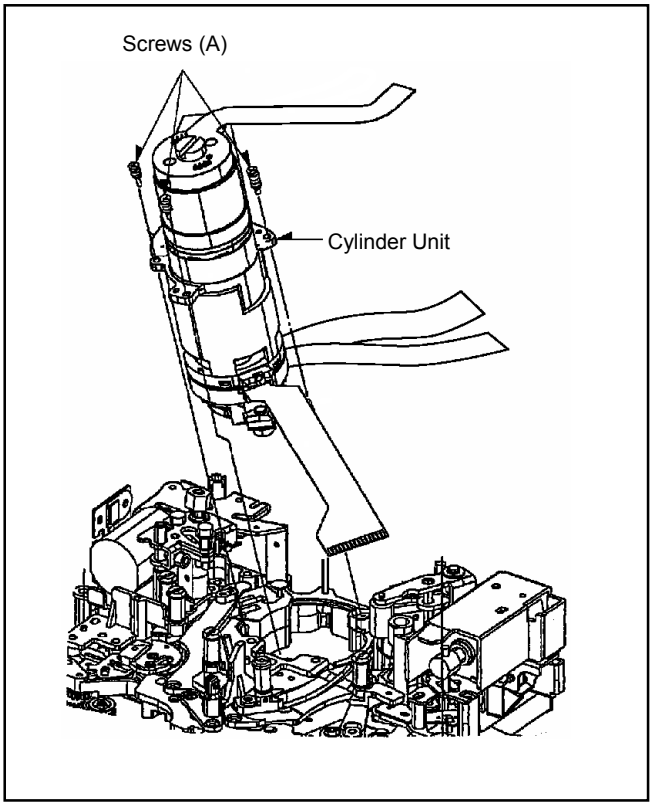


Fig. 2-1-1

(Installation)

1. Install the Cylinder Unit in the reverse steps of the removal

Note :

Don't touch the cylinder unit with fingers directly, when installing the new cylinder they will oil film on head.
When installing the Cylinder Unit, the pin on Mecha. Chassis should mach with holes of cylinder unit.

2-2. Replacement of Cleaning Arm Unit

(Removal)

1. Remove the Cut Washer (A) as shown in Fig. 2-2-1 and unhook spring from Cleaning Arm Unit and then, remove the Cleaning Arm Unit.

Note :

Do not touch the Cleaning Roller by finger directly.

(Installation)

1. Install the Cleaning Arm Unit to the pin on the Mechanical Chassis Unit and the cut washer (A) then hook the spring to the Cleaning Arm Unit.
2. After installation, the position adjustment of the Cleaner Solenoid is required.

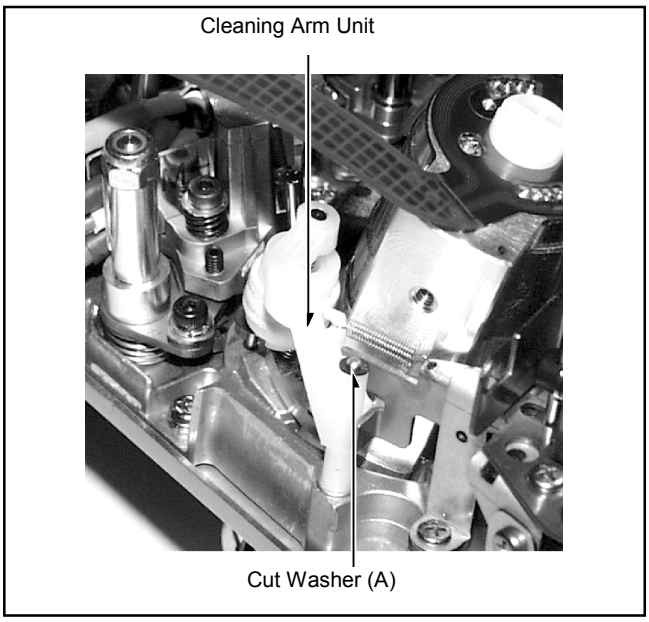


Fig. 2-2-1

(Position Adjustment of Cleaner Solenoid)

1. Press the core of Cleaner Solenoid.
2. Confirm that the gap (C) between the Cleaner Connection Rod and Cleaner Arm Unit is 0.95mm and the gap (D) is 0.7±0.1mm as shown in Fig. 2-2-2.
3. If the out of specification, loosen the 2 screws (B) as shown in Fig. 2-2-2.
4. Move the Cleaner Solenoid to an arrow direction so that the gap (C) and (D) are within the specification.
5. Press the core of Cleaner Solenoid by hand.
6. Confirm that the Cleaner Roller touches with the Cylinder and returns to the original position when release the hand from it.

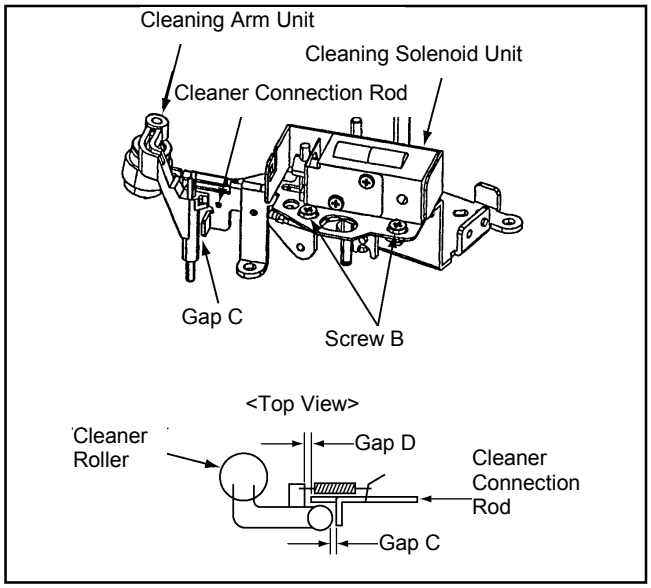
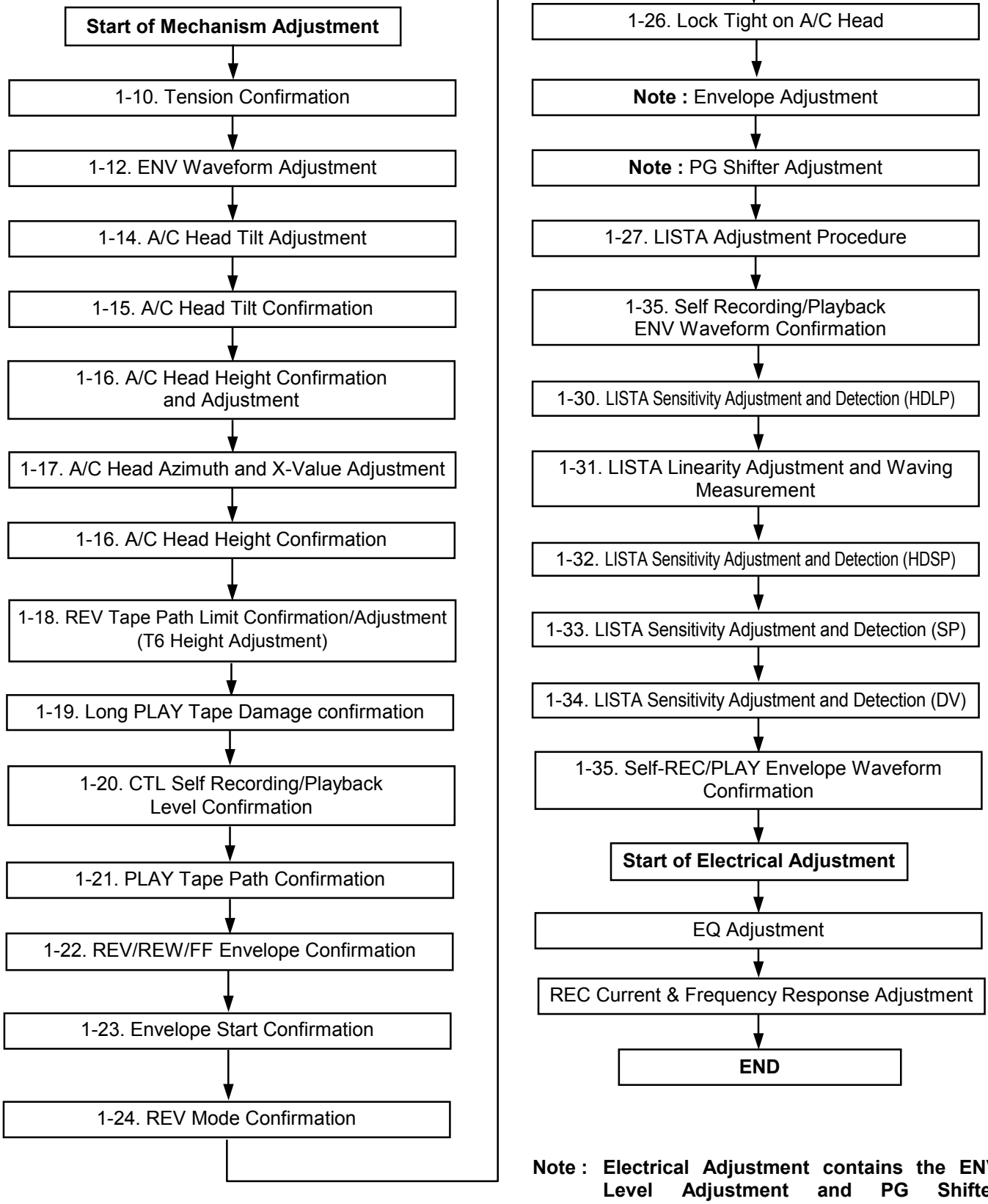


Fig. 2-2-2

2-3. Adjustment after Replacement of Cylinder Unit

1. Perform each adjustment according to the following flow chart after the replacement of the Cylinder Unit.



Note : Electrical Adjustment contains the ENV Level Adjustment and PG Shifter Adjustment.

2-4. Pinch Solenoid Replacement

(Removal)

1. Disconnect the connector P20 on the Mech. I/F P.C.Board.
2. Unscrew the 2 screws (A) and remove the Pinch Solenoid cover and Pinch Solenoid Angle as shown in Figure 2-4-1.
3. Unscrew the 2 screws (B) and remove the Pinch Solenoid with the Solenoid Base as shown in Figure 2-4-1.
4. Unscrew the 2 screws(C) and remove the Pinch Solenoid as shown In Figure 2-4-1.

(Installation)

1. Install the Pinch Solenoid in the reverse steps of the removal.
   After installation, adjust the Pinch Solenoid Position Adjustment.

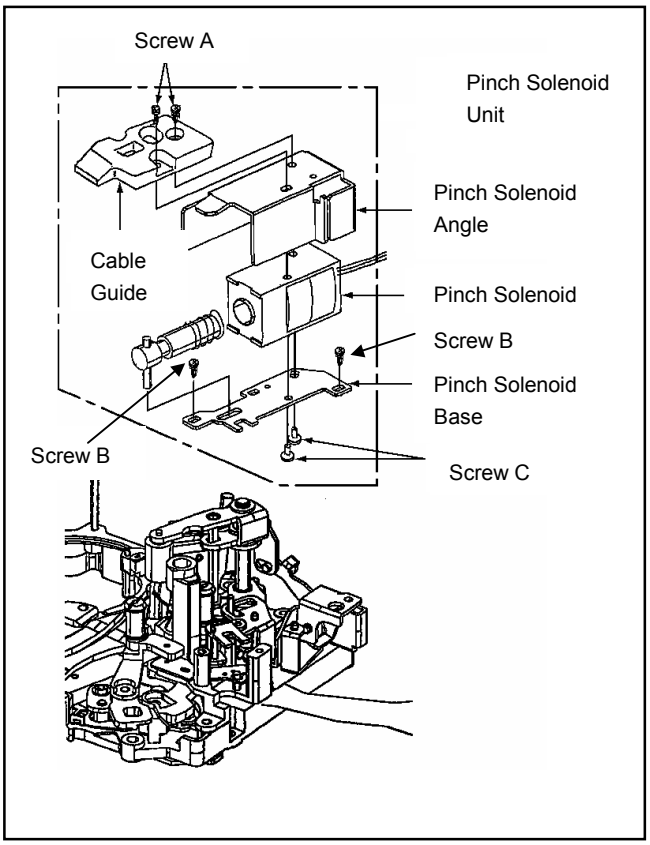


Fig.2-4-1

2-5. Pinch Solenoid Position Adj.

ADJ.	Screws(C),(D) and Hole (B)
TP	Clearance T
MODE	EJECT (Power Off)
TOOL	VFK0357 (Eccentric Driver)
SPEC	T=0.3mm to 0.5mm

1. Confirm that the Pinch Solenoid Cover and Pinch Solenoid Angle are removed .
2. Turn the Emergency Screw clockwise, and place the VTR in loading condition
3. Press the core of Pinch Solenoid so that the Pinch Roller touches with the Capstan.
4. Loosen the 2 screws(C),(D) and Adjust hole(B) by VFK0375 so that the clearance(T) is within specification.
5. After position adjustment, fix the solenoid position with screw(C),(D)

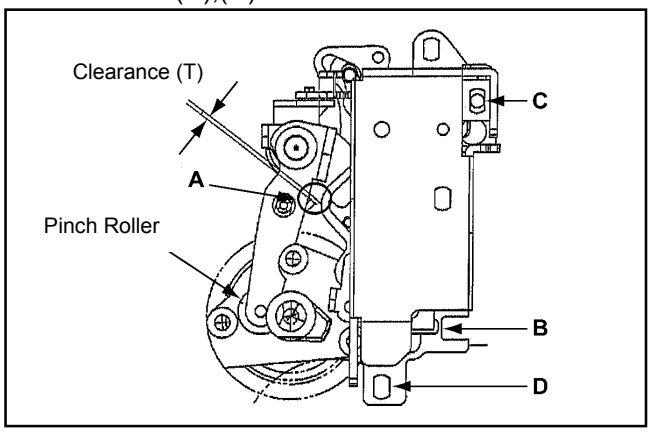


Fig.2-5-1

2-6. Replacement of Capstan Unit

(Removal)

1. Disconnect the connector on the MECHA I/F Board. (rear side of the Mechanical Chassis)
2. Unscrew the 3 screws (A) as shown in Fig. 2-6-1 and then remove the Capstan Unit from the lower side of Mechanical Chassis.

(Installation)

1. Install the new Capstan Unit in reverse steps of the removal..

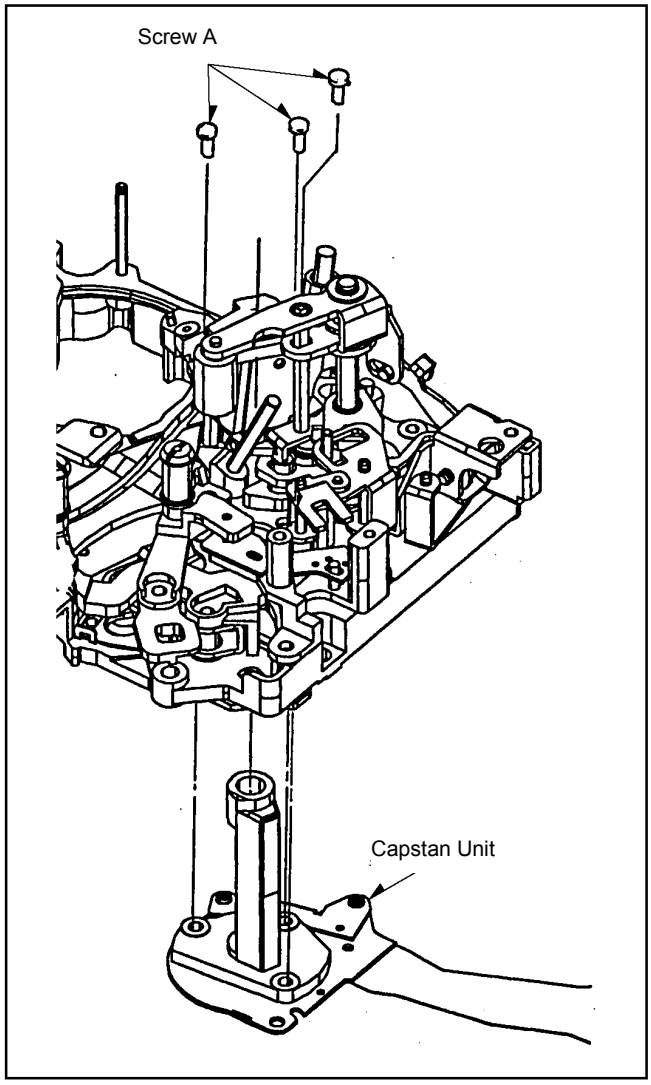


Fig. 2-6-1

2-7. Replacement and Adjustment of A/C Head Unit

(Removal)

1. Unscrew the spring screw(A) as shown in Fig.s 2-7-1 and 2-7-2 and then remove the A/C Head 1 Unit.

(Installation)

1. Install the A/C Head 1 Unit in reverse steps of the removal. Tighten the screw (A) with 10cN·m (1Kgf·m) torque.
2. Clean the surface of A/C Head.

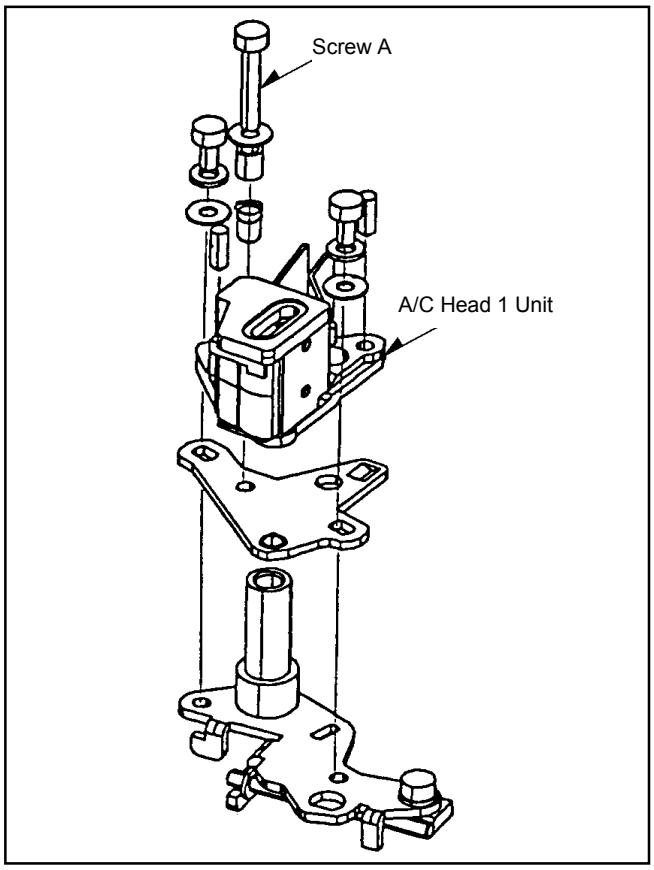


Fig. 2-7-1

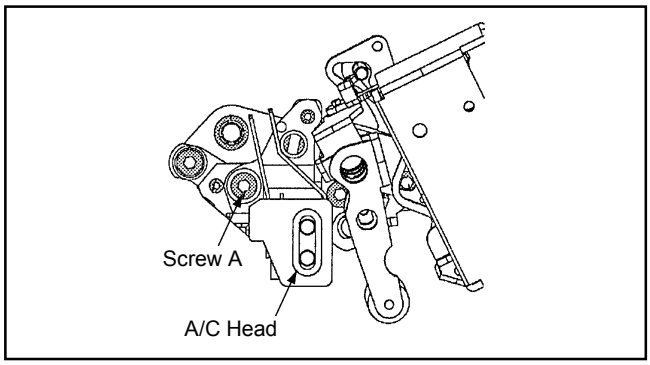
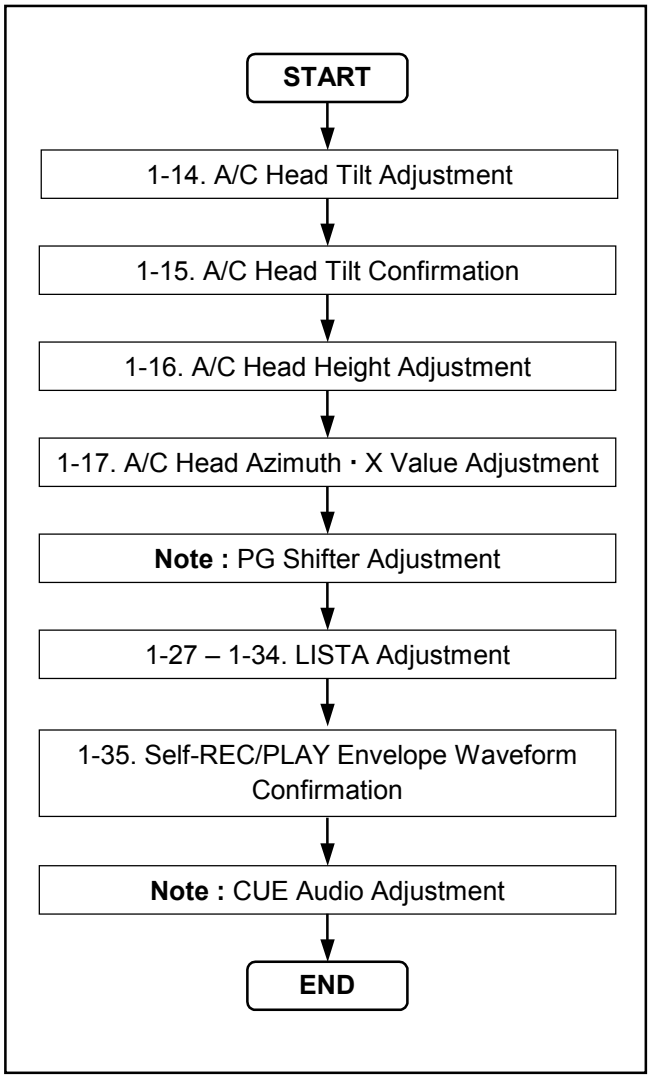


Fig. 2-7-2

< A/C Head Adjustment >

1. Necessary adjustments and confirmation items after replacement of A/C Head Unit is shown in the below flow chart.



Note : The PG Shifter and CUE Audio Adjustment Procedures have been introduced in the "Electrical Adjustment Procedures Section".

2-8. Replacement and Adjustment of Cleaner Solenoid Unit

(Removal)

1. Disconnect the connector P414 on the MECHA I/F Board. (Rear side of the Mechanical Chassis)
2. Unscrew the 2 screws (A) as shown in Fig. 2-8-1 and remove the Cleaner Solenoid Unit.
3. Unscrew the 2 screws (B) as shown in Fig. 2-8-1 and 2-8-2 and remove the Cleaner Shield Case.
4. Unscrew the 2 screws (C) as shown in Fig. 2-8-2 and remove the Silencer Spring from the Cleaner Solenoid Unit.

(Installation)

1. Install the new Cleaner Solenoid Unit in the reverse steps of the removal.
2. Perform the Position Adjustment of the Cleaner Solenoid at the installation. (Refer to the paragraph 2-2. "Replacement of Cleaning Arm Unit")

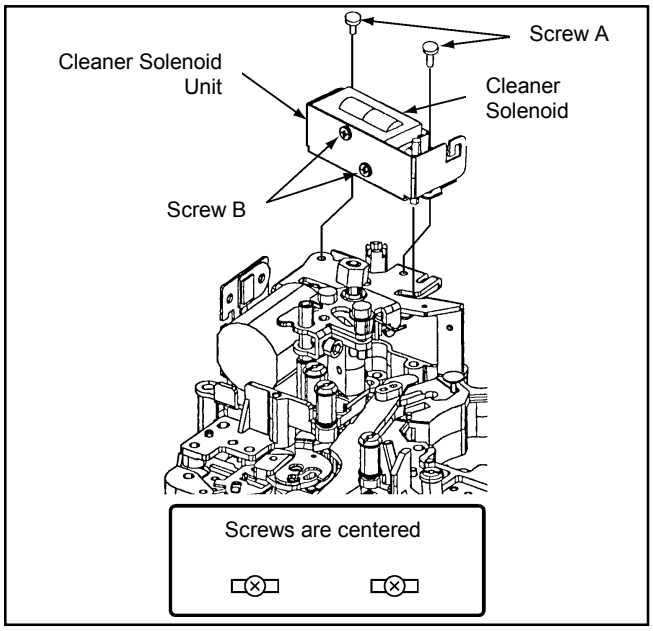


Fig. 2-8-1

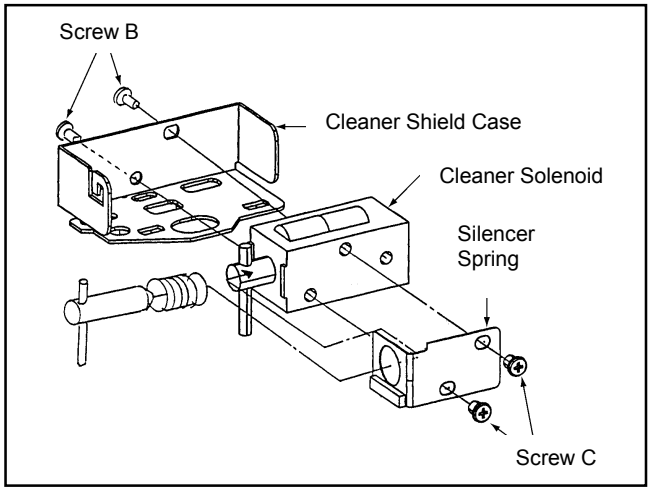


Fig. 2-8-2

2-9. Mode SW Unit Replacement

(Removal)

1. Confirm that the unit is in the unloading complete position.
2. Remove the cleaner solenoid unit. (Refer to 2-8)
3. Disconnect the connectors on the Mech. I/F board.
4. Remove the spring on the cleaner arm unit.
5. Unscrew 3 screws A, and the Motor Bracket Unit. (Fig.2-9-1)
6. Unscrew the 2 screws B, and the Mode SW Unit.

(Installation)

1. Install a new Mode SW Unit in the reverse steps of the removal.
2. The pin at the bottom of the Mode SW should be put into the hole of the Main Cam Gear. (Fig.2-9-1 and 2-9-2)

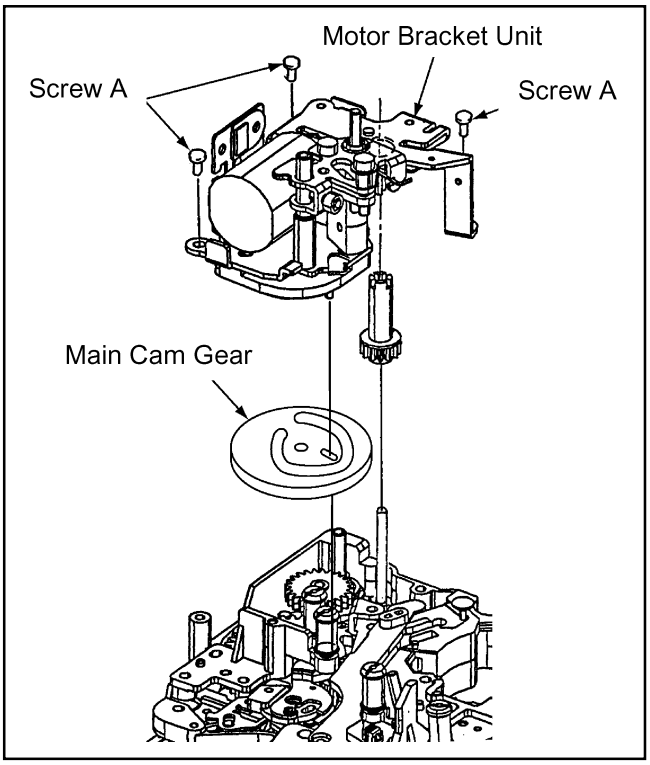


Fig.2-9-1

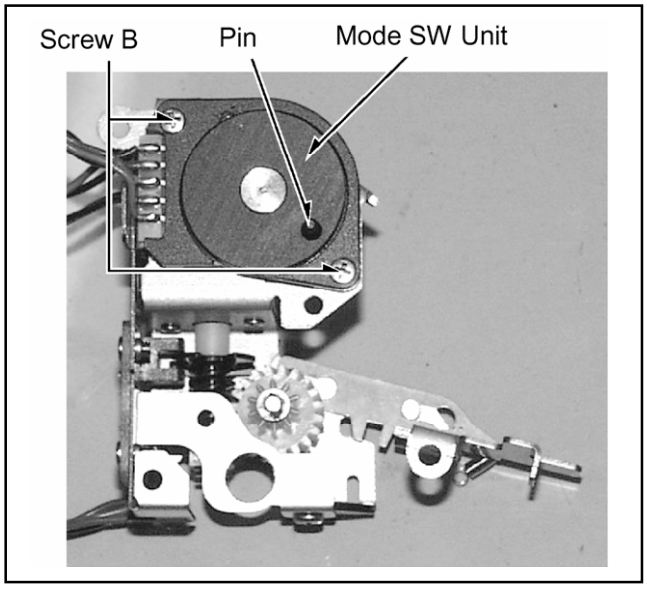


Fig.2-9-2

2-10. Main Cam Gear Replacement

(Removal)

1. Remove the Cleaner Solenoid. (Refer to 2-8)
2. Remove the Motor Bracket Unit. (Refer to 2-9)
3. Turn the Cam Relay Gear B counterclockwise to place the mech. in the loading complete mode. (Fig.2-10-1)
4. Remove the Loading Guide. (Refer to 2-13)
5. Remove the S Loading Arm Unit. (Refer to 2-13)
6. Remove the S4 Post Base Unit. (Refer to 2-11)
7. Remove the Cut Washer A and the Cam Relay Gear B. (Fig.2-10-1)
8. Remove the Cut Washer B and the Cam Relay Gear A.
9. Remove the Cut Washer C and the S Load Sector Gear Unit.
10. Remove the Cut Washer D and the S Relay Gear.
11. Remove the Cut Washer E and the Main Cam Gear.

(Installation)

1. Install a new Main Cam Gear in the reverse steps of the removal.
2. Make sure that the pin of the Mode SW and the hole of the Main Cam Gear are geared upon mounting the Motor Bracket.

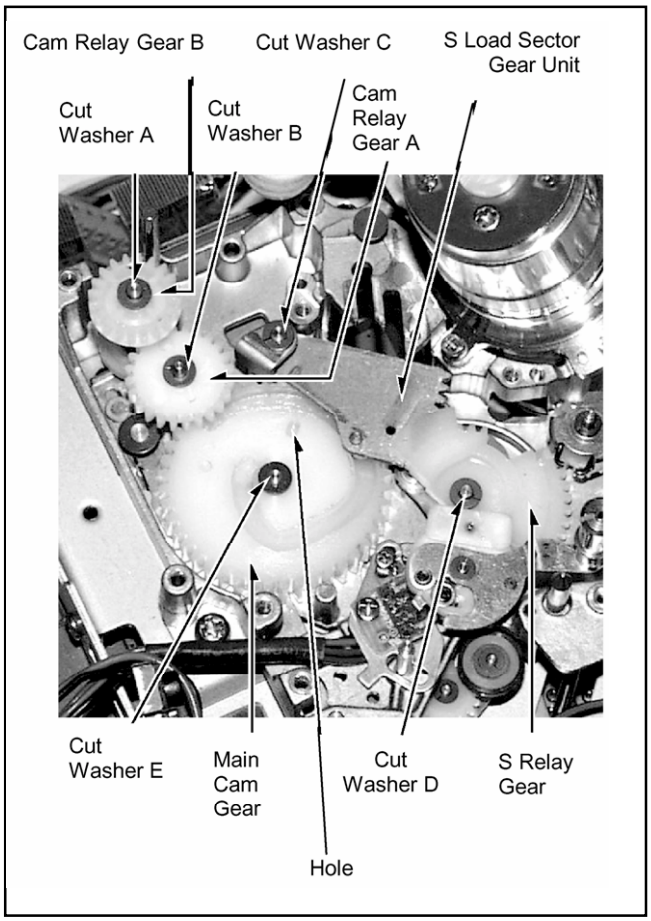


Fig.2-10-1

2-11. S4 Post Base Unit Replacement

(Removal)

1. Remove the 2 screws A and the S4 Post Base Unit. (Fig.2-11-1)

(Installation)

1. Install a new S4 Post Base Unit in the reverse steps of the removal.
2. The post height pre-adjustment and Linearity adjustment are required.

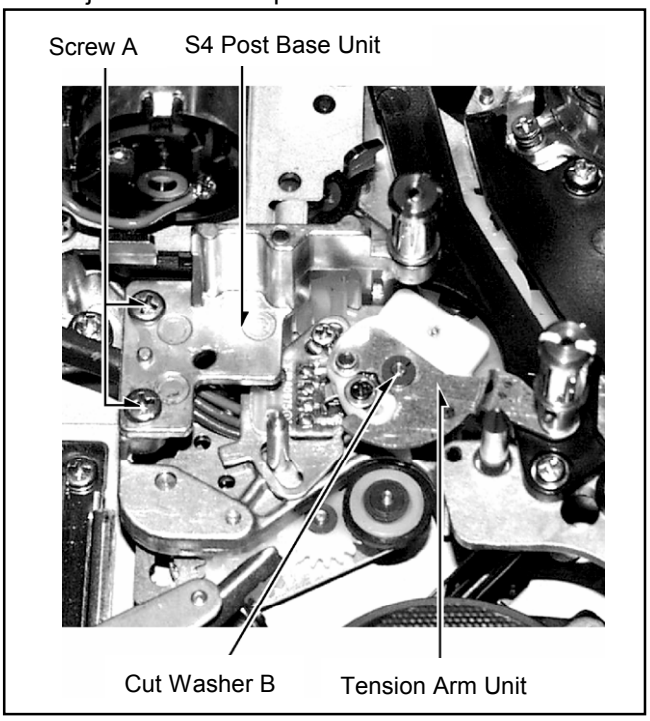


Fig.2-11-1

2-12. Tension Arm Unit Replacement

(Removal)

1. Remove the S4 Post Base Unit.
2. Remove the cut washer B and the tension spring. (Fig.2-11-1)
3. Remove the Tension Arm Unit.

(Installation)

1. Install a new Tension Arm Unit in the reverse steps of the removal. The spring must be fixed prior to installing the Tension Arm Unit.
2. The Tension Arm Adjustment is required. (See the flowchart below.)

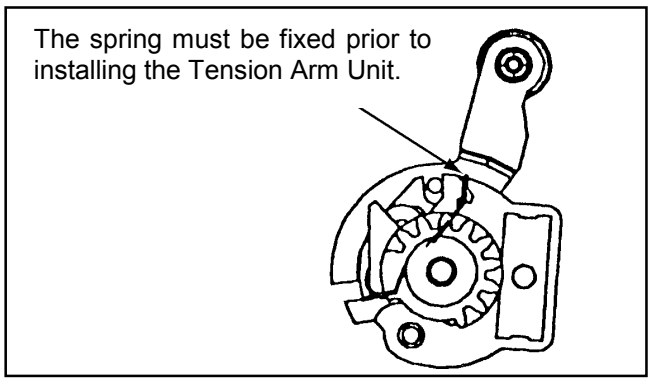
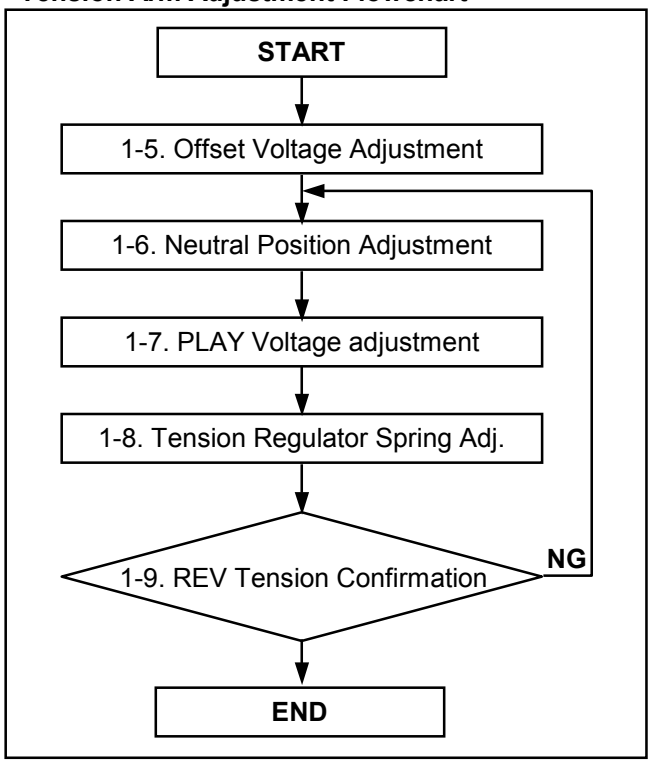


Fig.2-12-1

<Tension Arm Adjustment Flowchart>



2-13. S Loading Unit Replacement

(Removal)

1. Remove the Cleaner Solenoid unit. (Refer to 2-8)
2. Remove the Motor Bracket Unit. (Refer to 2-9)
3. Turn the Cam Relay Gear (B) counterclockwise to place the unit in the loading complete condition. (Fig.2-13-1)
4. Unscrew the 4 screws A and 2 screws B, then the loading guide. (Fig.2-13-1)
5. Turn the Cam Relay Gear (B) clockwise to return the unit in the unloading complete condition.
6. Remove the Cut Washer C and a washer, and then the S Loading Unit. (Fig.2-13-2)

(Installation)

1. Install a new S Loading Unit in the reverse steps of the removal.
2. The hole D of the S Loading Unit and the hole E of the S Sector Gear should be geared each other.

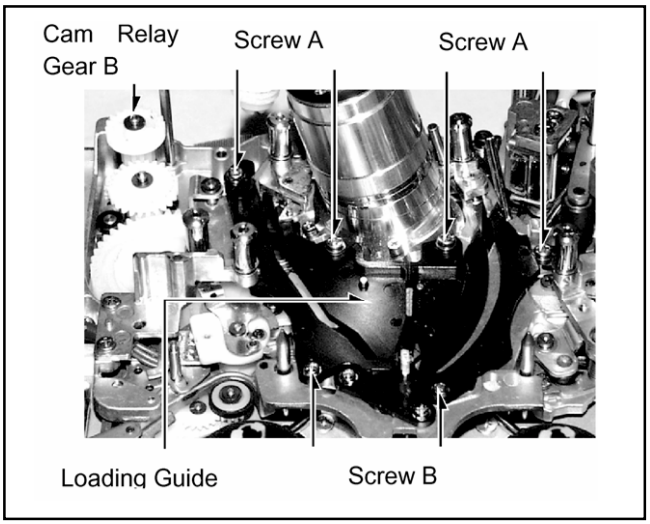


Fig.2-13-1

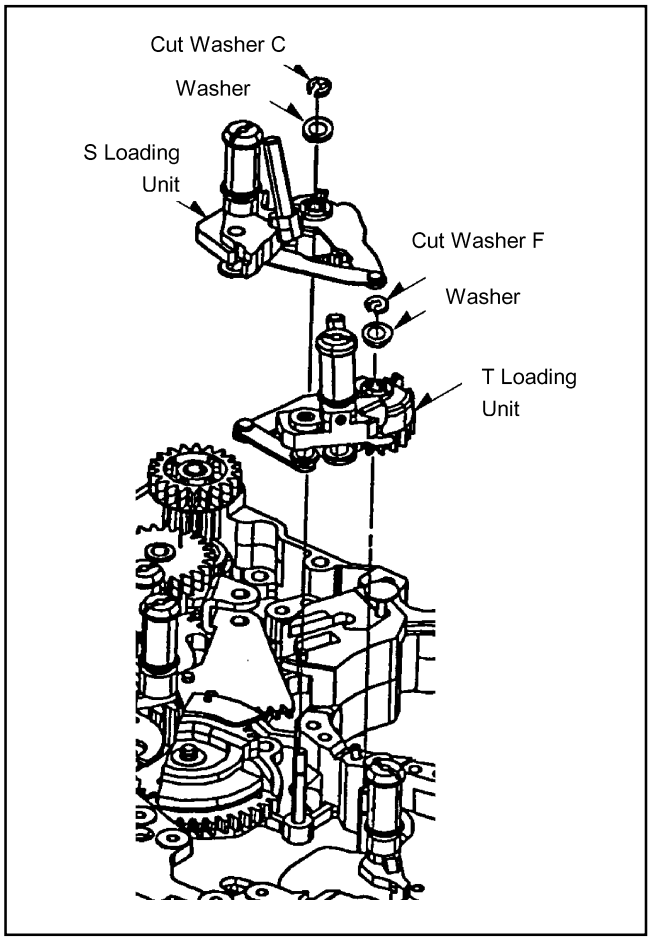


Fig.2-13-2

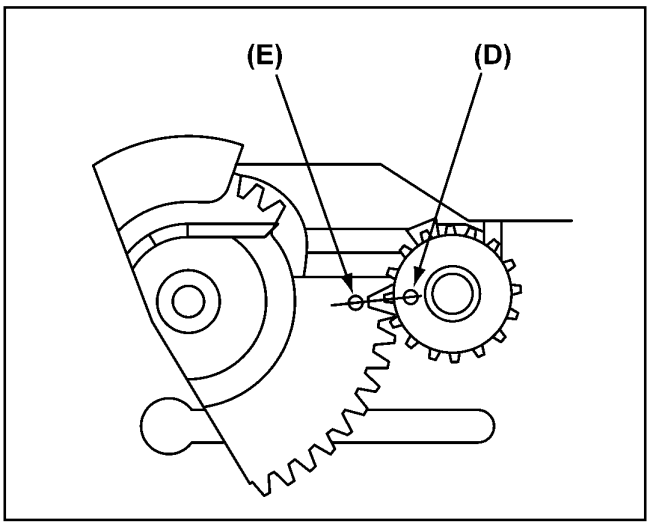


Fig.2-13-3

2-14. T Loading Unit Replacement

(Removal)

1. Remove the S Loading Arm Unit. (Refer to 2-13)
2. Remove the Cut Washer F and a Washer to remove the T Loading Unit. (Fig.2-13-2)

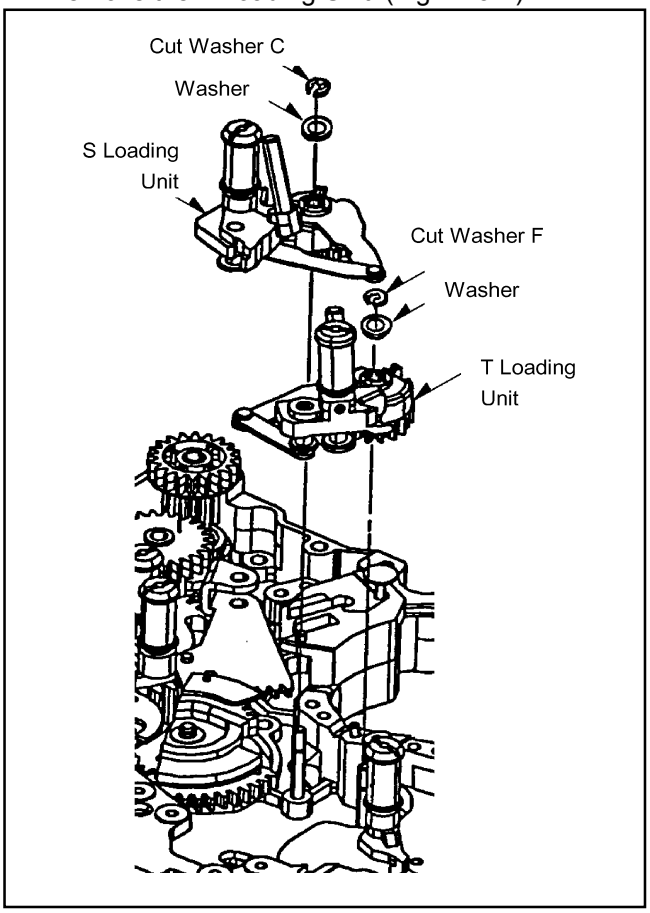


Fig. 2-14-1

(Installation)

1. Install a new T Loading Unit in the reverse steps of the removal.
2. The hole (G) and (H) should be geared. (Fig.2-14-2)

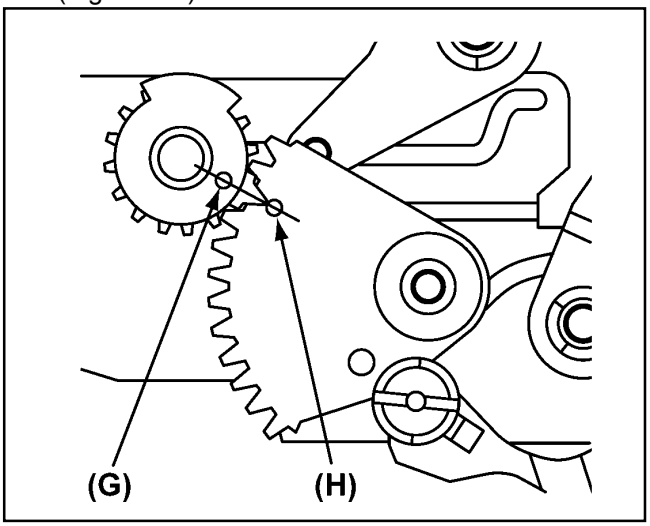


Fig.2-14-2

2-15. T6 Arm Unit Replacement

(Removal)

1. Remove the Cut Washer A and a Washer to remove the T6 Arm Unit. (Fig.2-15-1)

(Installation)

1. Install a new T6 Arm Unit in the reverse steps of the removal.
2. The Post Height Pre-adjustment and the Linearity Adjustment are required.

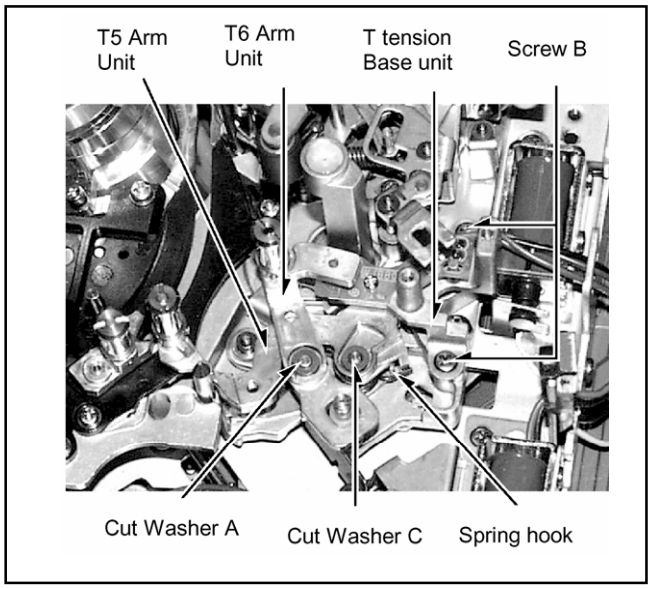


Fig.2-15-1

2-16. T5 Arm Unit Replacement

(Removal)

1. Remove the T6 Arm Unit. (Refer to 2-15)
2. Remove the Pinch Solenoid Unit. (Refer to 2-4)
3. Unscrew the 2 screws B, and the T Tension Base Unit. (Fig.2-15-1)
4. Remove the Cut Washer C and a Washer to remove the T5 Arm Unit. (Fig.2-15-1)

(Installation)

1. Install a new T5 Arm Unit in the reverse steps of the removal. Make sure the position where the spring hooks.
2. The Post Height Pre-adjustment and the Linearity Adjustment are required.

2-17. Supply & Take-up Reel Rotor Replacement

(Removal)

1. Disconnect the flexible cable which is connected to P34 and P35 on the Mech. I/F Board (back side of the Mechanism unit).
2. Confirm that the iron core of the Supply and Take-up Brake Solenoid are not pressed.
3. Confirm that the Reel Table is positioned M-Cassette, release the M Stopper by pressing the iron core of the M Stopper Solenoid.
4. Unscrew the 2 screws (A) on the outer rail. When unscrew, insert the driver to the Hole (C) as shown in figure 2-17-1.
5. Unscrew the 2 screws (B) as shown in figure 2-17-1.
6. The Rotor Unit is hooked at inner rail. Remove the Supply and Take-up Rotor Unit that never touch to the Brake Release Arm.

NOTE: When remove the Reel Rotor Unit, memorized the groove position of Reel Base, which inserted the pin of Drive Arm Unit.

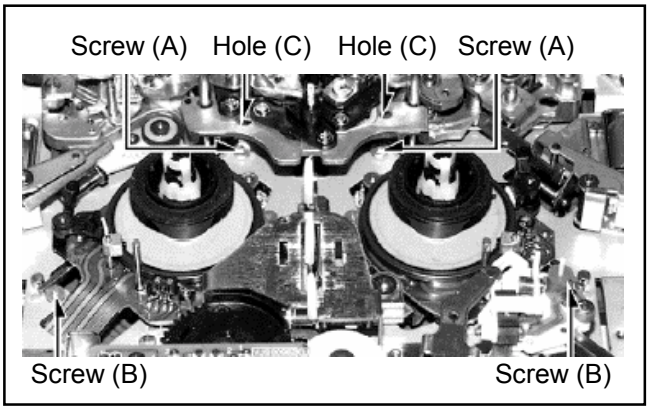


Fig.2-17-1

(Installation)

1. Install the new Supply and Take-up Reel Rotor Unit to the outer rail.
2. Hang on the Reel Rotor Unit to inner rail and install the Reel Rotor Unit then the pin of Drive Arm Unit should be matched with groove position of Reel Base as shown in Figure 2-17-2.
3. Fix the outer rail by Screw (A) and Screw (B).
4. Confirm that the Reel Table Unit moving smoothly on the Rail by hand.
5. Move the Reel Rotor Unit to front side by hand and then pull up the iron core of M stopper solenoid.
6. Confirm the Main Brake Torque. (Refer to the item “Main Brake Torque Confirmation”.)
7. Connect the flexible cable to P34 and P35 on the P.C.Board.
8. Adjust the Supply Motor Torque Offset Value. (Refer to the “Sec.5 Electrical Adjustment”.)
9. Adjust the Take-up Motor Torque Offset Value. (Refer to the “Sec.5 Electrical Adjustment”.)
10. Confirm the Tape Tension Value on playback mode.

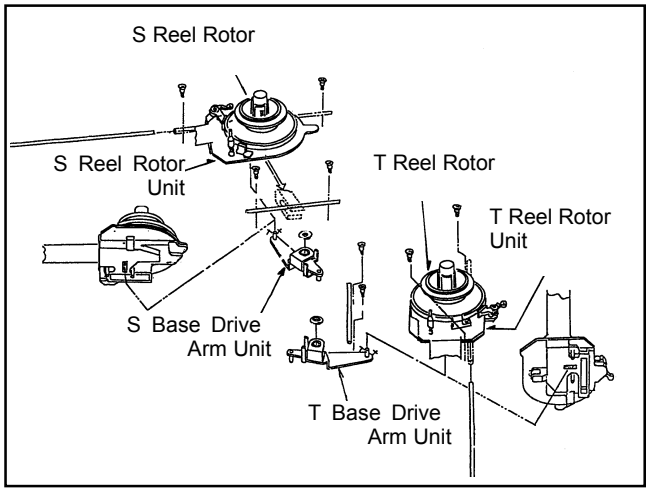


Fig.2-17-2

2-18. Main Brake Torque Confirmation

TP	S Reel, T Reel
MODE	EJECT (POWER OFF)
TOOLS	Dial Torque Gauge (VFK1191A) Torque Gauge Adaptor (VFK1152)
SPEC.	Direction A : 0.4cNm ± 0.2cN·m (20gf·cm ± 10gfcm) Direction B : 0.2cNm ± 0.1cN·m (20gf·cm ±10gfcm)

1. Attach the adaptor (VFK1152) to the gauge (VFK1191A)
2. The following procedure is common for both S and T reels.
3. Push the core of the solenoid away from the reel, and pull it back to contact the reel.
4. Put the torque gauge on the reel, and turn the gauge to the direction A until the brake starts slipping against the reel.
5. Measure the torque under the condition above, and confirm that it is in specification.
6. Remove the gauge once and push the core of the solenoid away from the reel.
7. Pull the core of the solenoid back to contact the reel, and put the gauge again on the reel.
8. Turn the gauge to the direction B until the brake starts slipping against the reel.
9. Measure the torque under the condition above, and confirm that it is in the specification.

Note: When measuring the brake torque, perform the Above step 3 at the first.

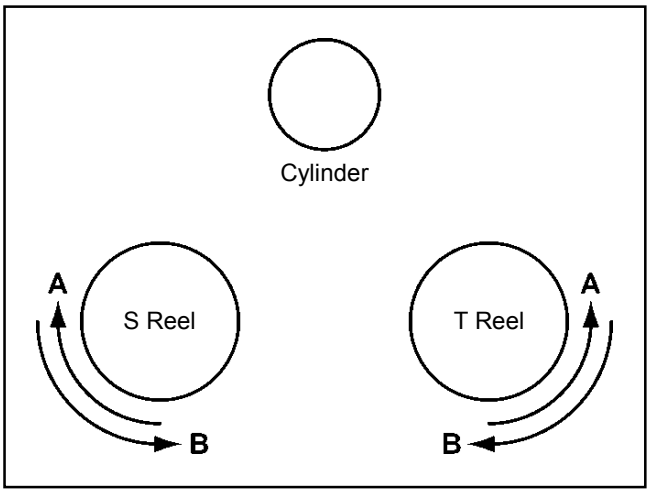


Fig.2-18-1

2-19. Supply & Take-up Brake Arm Unit Replacement

(Removal)

1. Release the brake by pressing the iron core of the Supply and Take-up Brake Solenoid.
2. Remove the 2 Cut Washers (A) as shown in figure 2-19, and remove the Supply and Take-up Brake Arm Unit.

(Installation)

1. Install the new Supply and Take-up Brake Arm Unit follow the removal steps in reverse order.

NOTE: Hook up the Brake Arm Spring as shown below figure.

2. After installation, please perform the “Main Brake Torque Confirmation”. (Refer to the item “2-18. Main Brake Torque Confirmation”.)

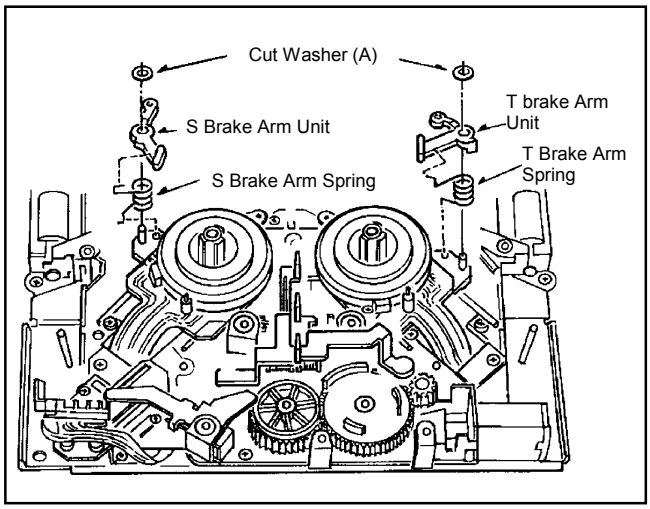


Fig.2-19-1

2-20. S-Brake Solenoid Replacement & Adjustment

(Removal)

1. Disconnect the connector P15 on the Mech.I/F Board.
2. Unscrew the 2 screws (A), and remove Supply Brake Solenoid Base Unit as shown in Figure 2-20-1.
3. Unscrew the 2 screws (B), and remove Supply Brake Solenoid as shown in Figure 2-20-1.

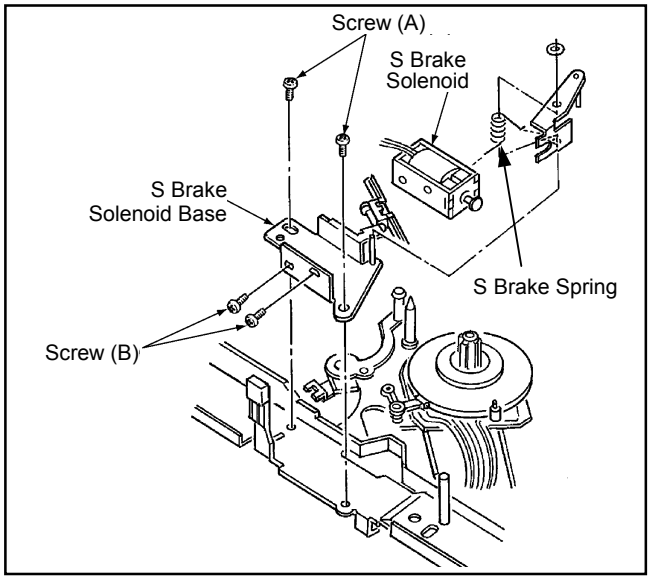


Fig.2-20-1

(Installation)

1. Install the Supply Brake Solenoid in the reverse steps of the removal.
2. After installation, adjust the Solenoid Position Adjustment.

<Solenoid Position Adjustment>

1. Make sure that the position of the reels is in the M cassette position. If not, make it in the M cassette position.
2. Confirm that the gap (A) between brake pad and reel is more than 0.2mm as shown in figure 2-20-2.
3. If the gap (A) is out of specification, loosen the 2 screws (A) and shift the brake solenoid so that the gap (A) is within specification. After the adjustment, tighten the screws (A)
4. Make the reel position in S and L cassette positions, and confirm that the gap (A) is more than 0.2mm at each reel position as shown.

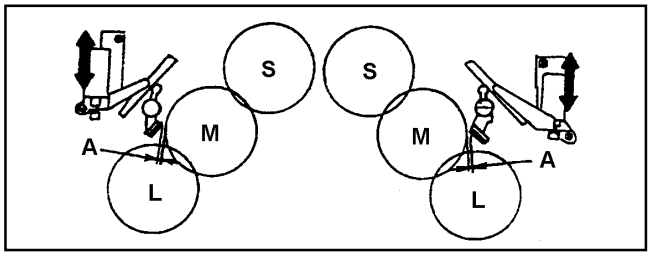


Fig.2-20-2

2-21. T-Brake Solenoid Replacement & Adjustment

(Removal)

1. Disconnect the connector P18 on the Mech. I/F Board.
2. Unscrew the 2 screws A, and remove Take-up Brake Solenoid Base Unit as shown in Figure 2-21-1.
3. Unscrew the 2 screws B, and remove Take-up Brake Solenoid as shown in Figure 2-21-1.

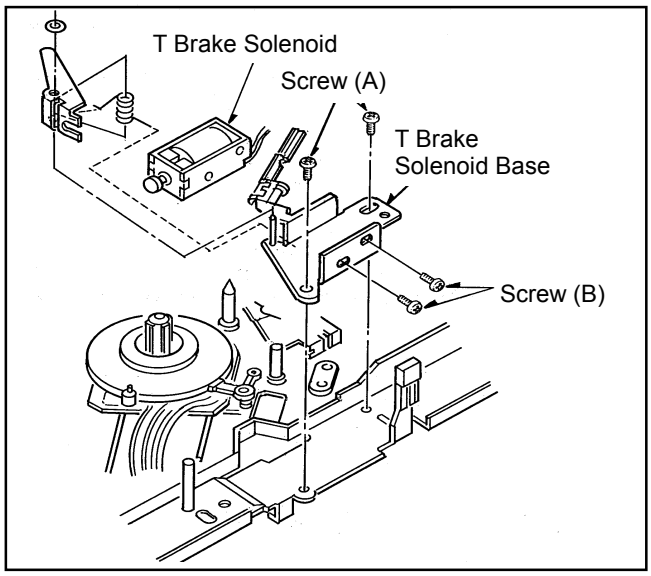


Fig.2-21-1

(Installation)

1. Install a new Reel Motor Unit in the reverse steps of the removal.

<Solenoid Position Adjustment>

1. The position adjustment is same procedures as the Supply Reel Table side
   (Refer to the figures 2-20-1 and Fig. 2-20-2)

2-22. Reel Motor Unit Replacement

(Removal)

1. Remove the connector P16 on the Mech. I/F Board. (Fig.2-22-1)
2. Unscrew the 3 screws A, and remove the cover unit (Fig.2-22-1)
3. Unscrew the 2 screws B, and remove the reel motor unit. (Fig.2-22-1)

(Installation)

1. Install a new Reel Motor Unit in the reverse steps of the removal.

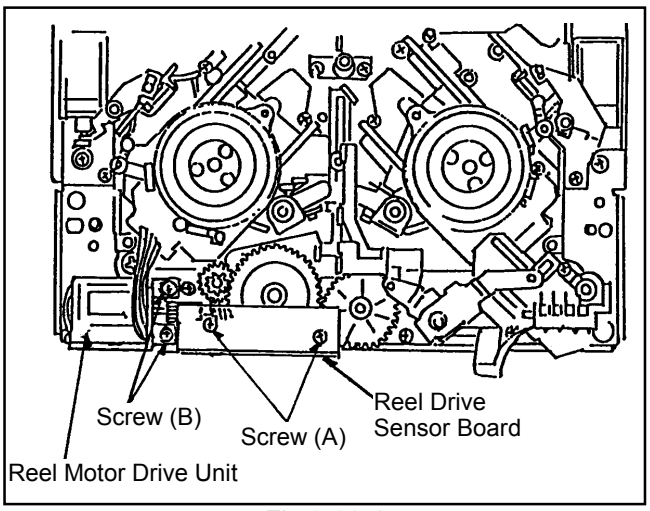


Fig.2-22-1

2-23. Distinction SW Unit Replacement

(Removal)

1. Remove the connector P17 on the backside of the Mech. I/F board.
2. Remove the spring on the Distinction SW Unit.
3. Remove the 3 screws A and the Distinction SW Unit. (Fig. 2-23-1)

(Installation)

1. Install a new Distinction SW Unit and the spring in the reverse steps of the removal.
2. Confirm that both M and L size cassette touch the Distinction SW Unit.

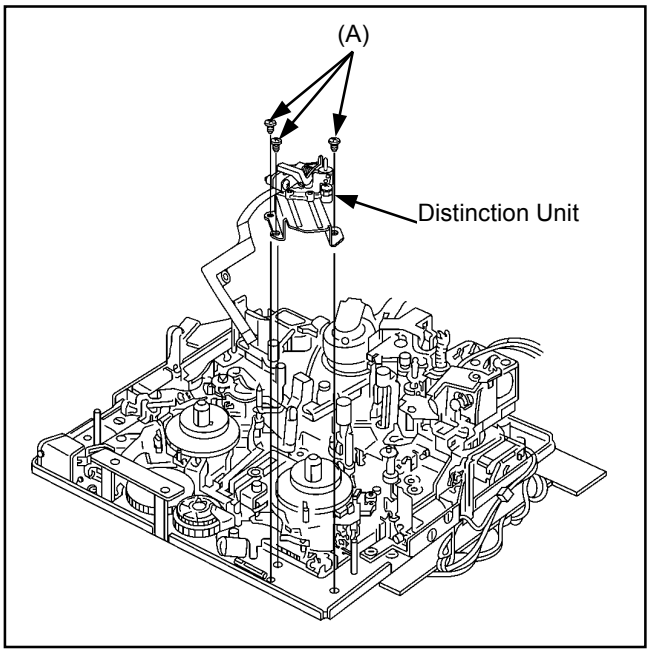


Fig.2-23-1

2-24. M Stopper Solenoid Unit Replace & Adjustment

(Removal)

1. Remove the connector P24 on the backside of the Mech. I/F board.
2. Remove the Pinch Solenoid Unit. (Refer to the Pinch Solenoid Replacement procedure.)
3. Remove the T Tension Base Unit. (Refer to the T5 Arm Unit Replacement Procedure.)
4. Remove the 4 screws A and B, and then the solenoid. (Fig. 2-24-1)

(Installation)

1. Install a new solenoid in the reverse steps of the removal.
2. The following position adjustment is required.

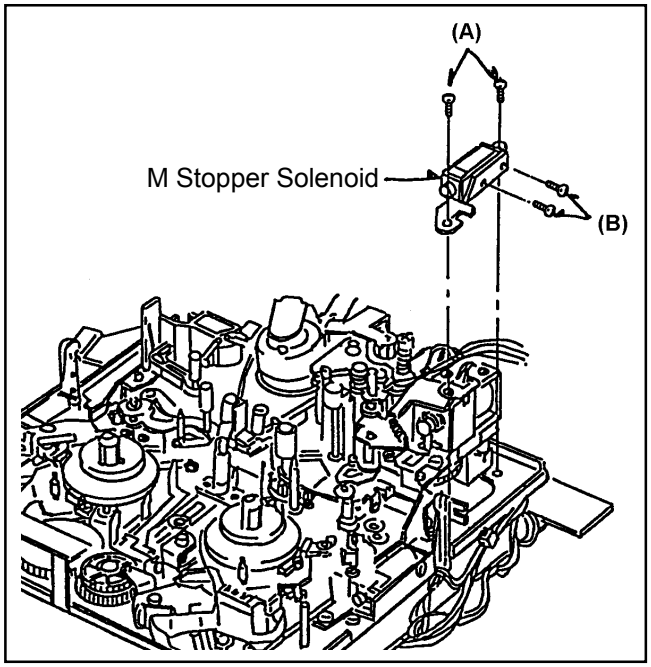


Fig.2-24-1

(Adjustment)

1. Place the reel in the L cassette position.
2. Press the core of the solenoid to release the M stopper.
3. Loosen the screw A and adjust the solenoid position so that the gap between the Mech. Chassis and the M stopper is 1.1 to 1.3mm. (Fig. 2-24-2)
4. Tighten the screw A after the adjustment

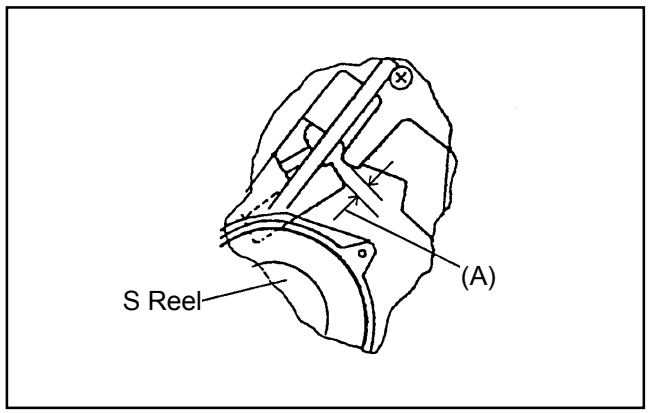
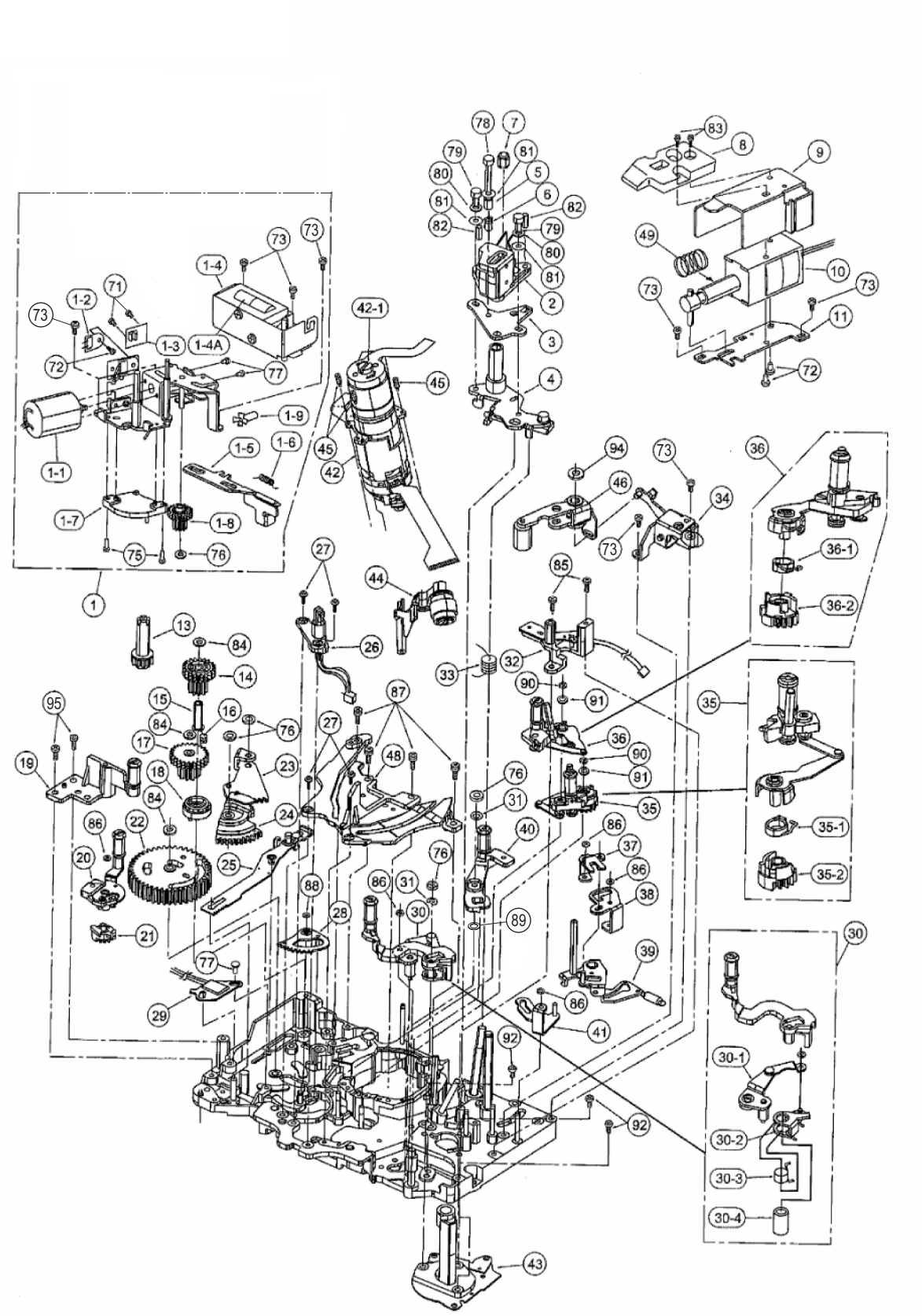


Fig.2-24-2

MECHANICAL CHASSIS ASSEMBLY (1)

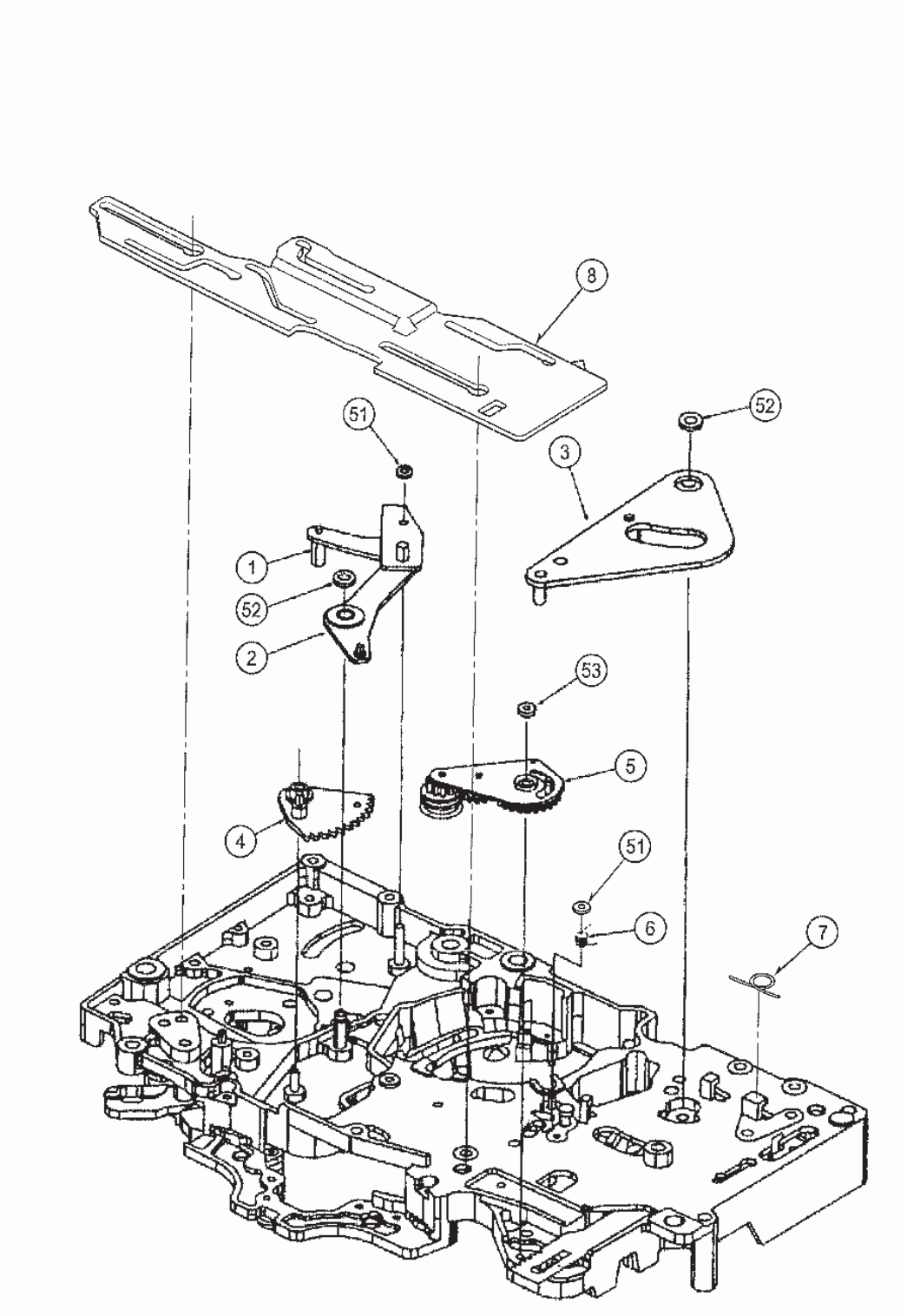


MECHANICAL CHASSIS ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7038	MOTOR BRACKET	1	
1-1	VEM0726	MOTOR ASS'Y	1	(M)
1-2	VEK7927	DEW SENSOR	1	EYHS77Y7
1-3	VEK8982	FG SENSOR	1	
1-4	VXA6656	CLEANER SOLENOID ASS'Y	1	
1-4A	VSJ0226	CLEANER SOLENOID	1	(M)
1-5	VMM0441	CLEANER ROD	1	
1-6	VMB3454	CLEANER SPRING	1	
1-7	VES0925	MODE SW ASS'Y	1	(M)
1-8	VDG1426	WORM WHEEL	1	
1-9	VXP2029	WORM	1	
2	VED0466	A/C HEAD 1 ASS'Y	1	(M)
3	VMA0F40	HORIZONTAL FIX BASE	1	
4	VXA6658	HIGHT FIX BASE	1	
5	VMS5987	AZIMUTH SLEEVE	1	
6	VMB2937	A/C HEAD ADJUST SPRING	1	
7	VHD0045	NYLON NUT	1	
8	VMA0F93	CABLE GUIDE	1	
9	VMA0E98	SOLENOIDE ANGLE	1	
10	VSJ0227	PINCH SOLENOID	1	(M)
11	VMA0E90	SOLENOID BASE	1	
13	VDG1434	EM GEAR	1	
14	VDG1437	CAM CONNECTION GEAR B	1	
15	VMX2993	EM SLEEVE	1	
16	VMB3440	EM GEAR SPRING	1	
17	VDG1423	CAM CONNECTION GEAR A	1	
18	VXP2037	EMARGENCY CONNECTION GEAR	1	
19	VXA7523	S4 POST BASE ASS'Y	1	(M)
20	VXL3165	S TENSION ARM ASS'Y	1	(M)
21	VDG1438	TENSION LEG GEAR	1	
22	VDG1424	MAIN CAM GEAR	1	(M)
23	VXA6647	S LOAD SECTOR GEAR	1	
24	VDG1422	S CONNECTION GEAR	1	
25	VXA6717	EM ROD ASS'Y	1	
26	VEK8936	LED ASS'Y	1	
27	LMHD16064	SCREW	4	
28	VXA6700	TENSION LEG SECTOR GEAR	1	
29	VXA6644	TENSION SENSOR ASS'Y	1	
30	VXL3164	T5 ARM ASS'Y	1	(M)
30-1	VXL2989	T5 DRIVE LEVER A	1	
30-2	VXL2991	T5 DRIVE LEVER B	1	
30-3	VMB3436	T5 CHARGE SPRING	1	
30-4	VMX2982	T5 ARM SLEEVE	1	
31	VMB3418	T5 THRUST SPRING	2	
32	VMD3910	TENSION BASE	1	
33	VMB3434	A/C HIGHT SPRING	1	
34	VXA6703	PINCH ELEVATOR ASS'Y	1	
35	VXA7886	T LOADING ASS'Y	1	(M)
35-1	VMB3426	T LOADING SPRING	1	
35-2	VDG1428	T LOADING GEAR	1	
36	VXA7885	S LOADING ASS'Y	1	(M)
36-1	VMB3425	S LOADING SPRING	1	
36-2	VDG1427	S LOADING GEAR	1	
37	VXL3008	SOLENOID TURN ARM	1	
38	VML3520	SLENOID CONNECTION ARM	1	
39	VXL3002	PINCH TURN ARM	1	
40	VXL3163	T6 ARM ASS'Y	1	(M)
41	VXL3011	ELEVATOR DRIVE ASS'Y	1	
42	VEG1655	CYLINDER UNIT	1	(M)
42-1	VMD3885	CAP	1	
43	VEM0717	CAPSTAN ASS'Y	1	(M)
44	VXL3028	CLEANING ARM ASS'Y	1	(M)
45	VXQ0439	SCREW	3	
46	VXL3040	PINCH ARM ASS'Y	1	(M)
48	VMD4544	LOADING SECTOR GEAR ASS'Y	1	
49	VMB2948	SPRING	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
71	XQN2+A3	SCREW	2	
72	XQN2+A2	SCREW	3	
73	XQN2+CF3	SCREW	8	
75	XQN2+A5	SCREW	2	
76	VMX0967	CUT WASHER	5	
77	XQN16+A2	SCREW	3	
78	XVE2B12FP	HEX SCREW	1	
79	XVE2B4FZ	HEX SCREW	2	
80	XWA2B	WASHER	2	
81	XWG2A5	WASHER	3	
82	XXE2A6FP	HEX SCREW	2	
83	XYN2+K5	SCREW	2	
84	VMX1599	CUT WASHER	3	
85	XQN2+CF4	SCREW	2	
86	VMX1061	WASHER	5	
87	XYN2+C5	SCREW	4	
88	VMX2027	CUT WASHER	1	
89	XWGV2Y4G	WASHER	1	
90	XUC12FP	E-RING	2	
91	XWGV15Z32G	WASHER	2	
92	XQN2+B3FZ	SCREW	3	
94	VMX0653	CUT WASHER	1	
95	XYN26+C4	SCREW	2	
*	VXY1842Z1	MECHANIZM ASS'Y	1	(M)

MECHANICAL CHASSIS ASSEMBLY (2)

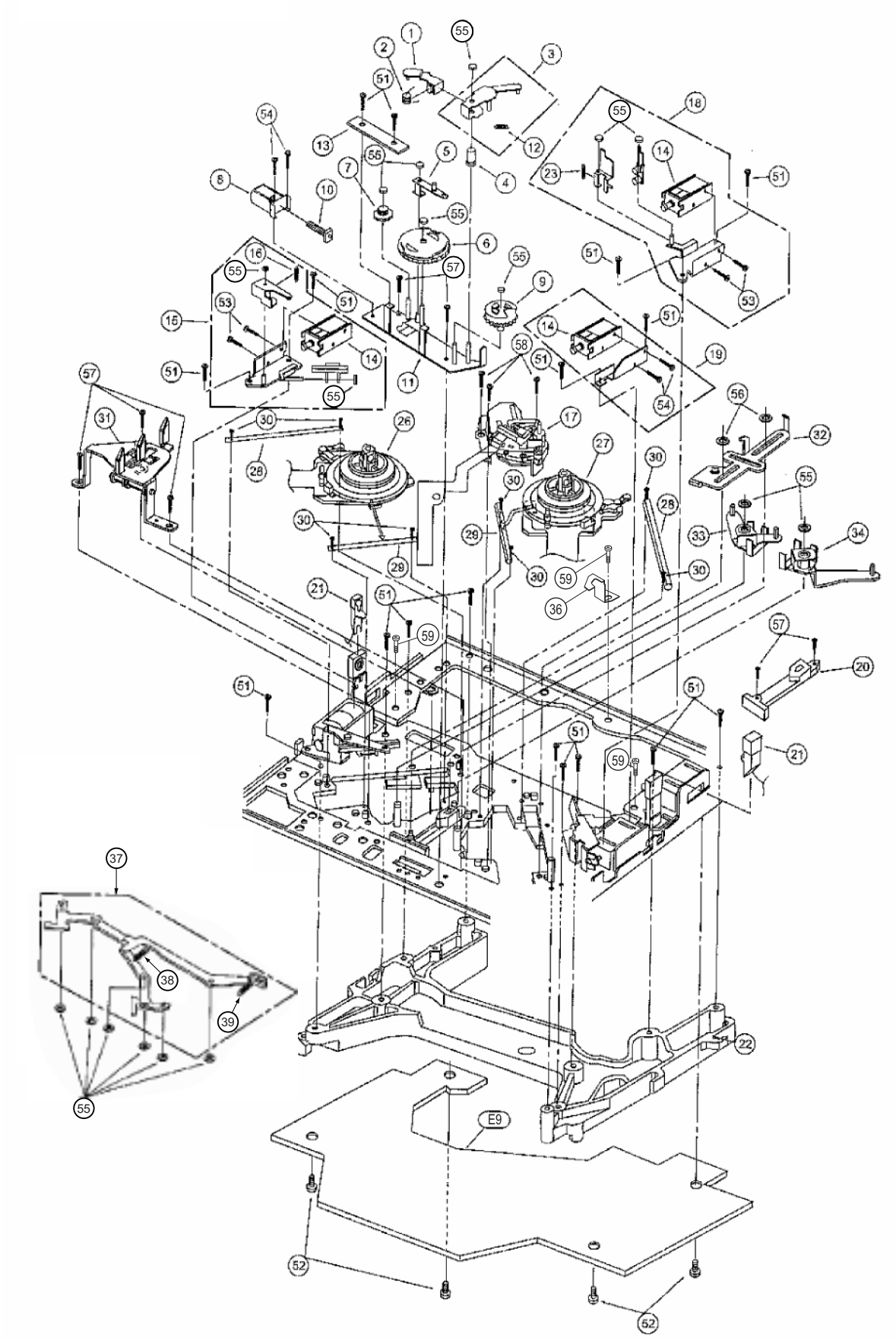


MECHANICAL CHASSIS ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL3007	PINCH DRIVE ARM	1	
2	VXL3010	CONNECTION ARM	1	
3	VXL3043	MAIN CAM ARM	1	
4	VXA6649	T ROD SECTOR GEAR	1	
5	VXL3238	IDLER ARM ASS'Y	1	
6	VMB3445	TENSION LEG SECTOR GEAR	1	
7	VMB3453	EM ROD SPRING	1	
8	VMA0E80	MAIN ROD	1	
51	VMX1061	WASHER	2	
52	VMX0967	CUT WASHER	2	
53	VMX2391	CUT WASHER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

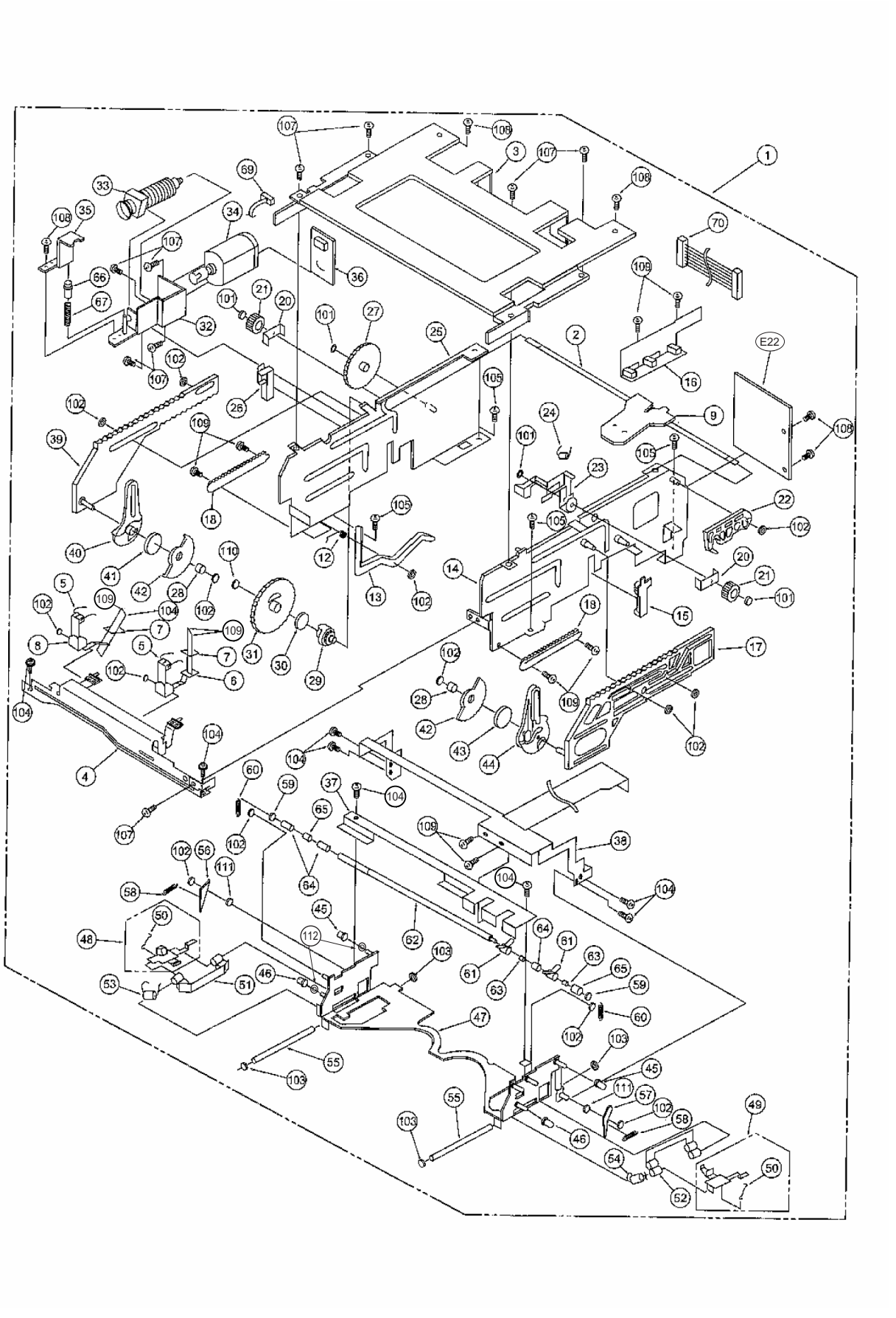
SUB CHASSIS ASSEMBLY



SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656C	MIC DRIVE ARM A ASS'Y	1	
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM B ASS'Y	1	OR VXL2657C
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613C	REEL DRIVE ARM ASS'Y	1	
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585C	REEL DRIVE MOTOR ASS'Y	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698C	REEL DRIVE WORM ASS'Y	1	OR VXP1698C
11	VXA5628	MOTOR BASE ASS'Y	1	OR VXA5628C
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726C	REEL SENSOR P.C.BOARD	1	
14	VSJ0216	SOLENOID	3	(M)
15	VXA5575C	S-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5575C
16	VMB2957	S BRAKE SPRING	1	
17	VXA7921C	DISTINCTION SW ASS'Y	1	(M)
18	VXA6651	T BRAKE SOLENOID ASS'Y	1	
19	VXA5579C	M STOPPER SOLENOID ASS'Y	1	OR VXA5579C
20	VMD3908	SLIDE ROD STOPPER	1	
21	VEK7692C	SENSOR HOLDER ASS'Y	2	
22	VMA0L40	SUB CHASSIS SUPPORT PLATE	1	
23	VMB2987	T BRAKE SPRING	1	
26	VEM0724	S REEL MOTOR ASS'Y	1	(M)
27	VEM0731	T REEL MOTOR ASS'Y	1	(M)
28	VMS5923	REEL OUTER RAIL	2	
29	VMS5924	REEL INNER RAIL	2	
30	VHD0995	SCREW	8	
31	VXA6650	BRAKE RELEASE ASS'Y	1	
32	VXA6652	SLIDE ROD	1	
33	VXL2980	S BASE DRIVE ARM	1	
34	VXL2981	T BASE DRIVE ARM	1	
36	VMC1652	T1 BOAT GUIDE	1	
37	VXL2982	M STOPPER DRIVE ARM ASS'Y	1	
38	VMB2955	M STOPPER SPRING (1)	1	
39	VMB3439	RELESE SPRING	1	
51	XQN2+CF4	SCREW	17	
52	XYN26+F8	SCREW	4	
53	XQN2+A1.5	SCREW	4	
54	XQN2+A2	SCREW	4	
55	VMX0967	CUT WASHER	17	
56	VMX1079	CUT WASHER	2	
57	XQN2+CF3	SCREW	7	
58	XQN2+AF3	SCREW	3	
59	XYN26+C5	SCREW	3	
E9	VEP82250A	MECHA I/F P.C.BOARD	1	

FRONT LOADING ASSEMBLY



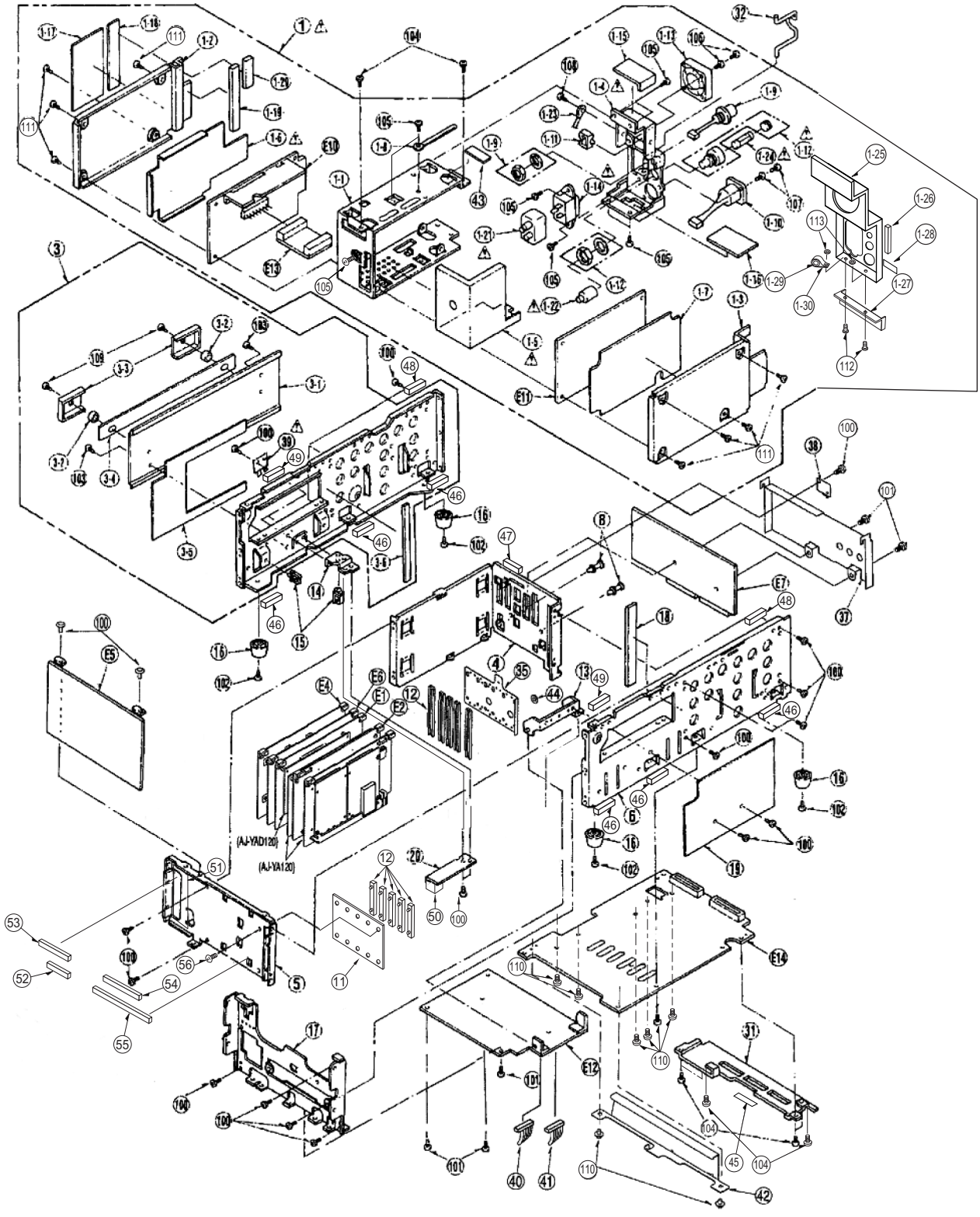
FRONT LOADING ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7920	FRONT LOADING ASS'Y	1	(M)
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VMA0M72	FRONT GUIDE 1 ASS'Y	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3397	CASSETTE PROTECT PLATE	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA7355	SIDE PLATE R 1 ASS'Y	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R ASS'Y	1	
18	VDG1156	WIPER RACK	2	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1412	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE ASS'Y	1	
24	VMB2979	SPRING	1	
25	VXA7353	SIDE PLATE L 1 ASS'Y	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1413	INTERAMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1414	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) ASS'Y	1	
33	VXP1797	E.E SLOT IN WORM ASS'Y	1	
34	VXA5597	MOTOR ASS'Y	1	(M)
35	VMA9673	EMARGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE ASS'Y	1	
39	VXA6075	MAIN RACK (L) ASS'Y	1	
40	VML3485	WIPER ARM (R)	1	
41	VMB3391	WIPER ARM (L)	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3390	WIPER SPRING (L)	1	
44	VML3484	WIPER SPRING (R)	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 ASS'Y	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2833	M-L DETECT ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECT SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	2	
66	VDG1246	EMARGENCY GEAR	1	
67	VMB3109	EMARGENCY SPRING	1	
69	VEE9577	CABLE	1	
70	VEE9632	MOTOR CABLE	1	
101	VMX0653	CUT WASHER	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
102	VMX0967	CUT WASHER	14	
103	VMX1061	WASHER	4	
104	XQN16+A2	SCREW	9	
105	XQN2+CF3	SCREW	4	
107	VHD1323	SCREW	9	
108	XQN2+A3	SCREW	5	
109	LMHD16064	SCREW	11	
110	XUC25FP	E-RING	1	
111	XWGV2Z5G	WASHER	2	
112	XWGV2Z4G	WASHER	2	
E22	VEP80856A	CARRIGE P.C.BOARD	1	

CHASSIS & FRAME ASSEMBLY

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



CHASSIS FRAME ASSEMBLY

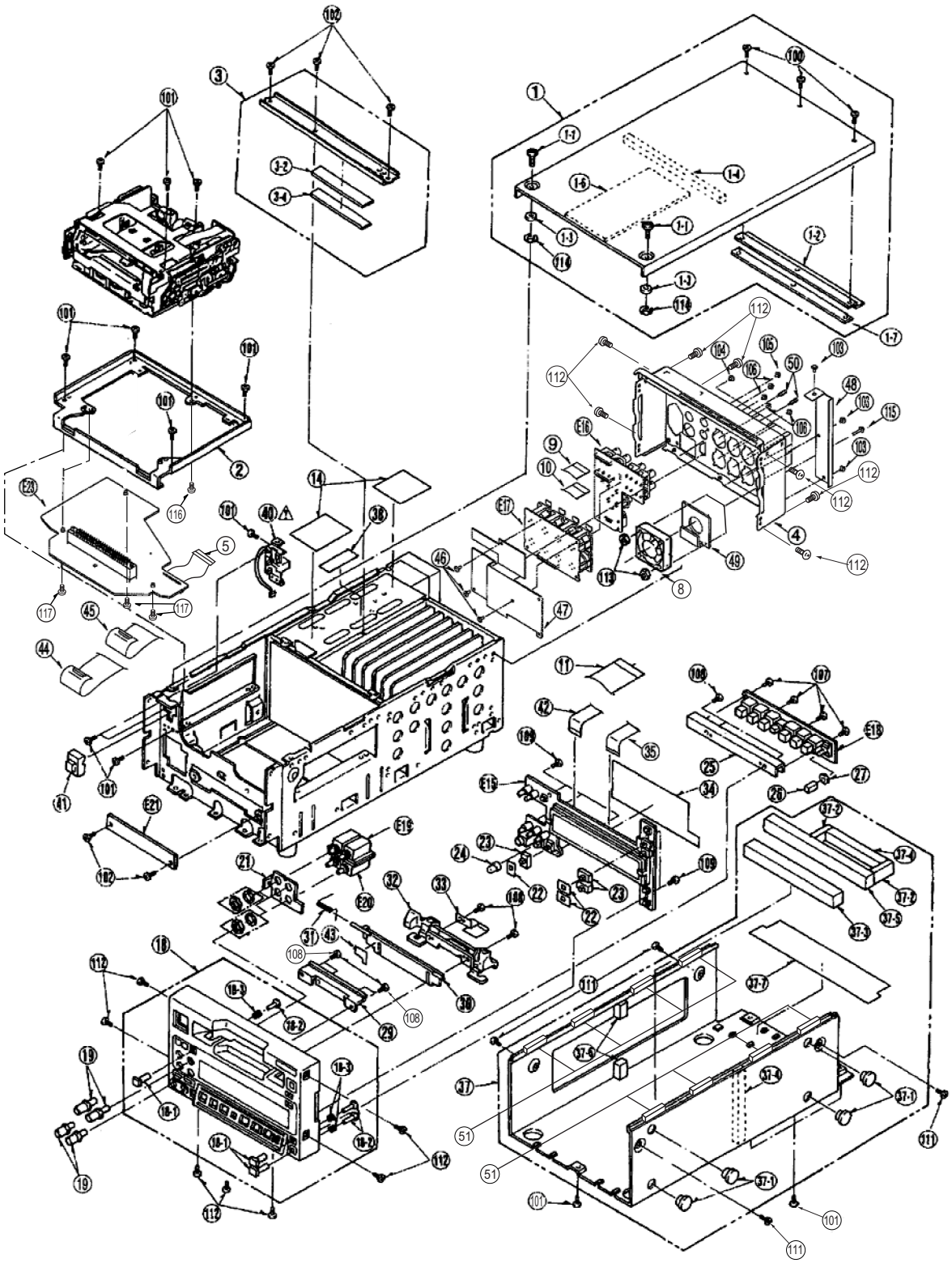
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEK0G83	POWER ASS'Y	1	FOR AJ-HD1200AP
⚠ 1	VEK0G99	POWER ASS'Y	1	FOR AJ-HD1200AE/AMC
1-1	VSC4997	POWER CASE (B)	1	
1-2	VSC4858	POWER CASE (D)	1	
1-3	VSC4996	POWER CASE (C)	1	
⚠ 1-4	VSC4986	POWER CASE (A)	1	
⚠ 1-5	VMZ2879	SHIELD SHEET (B)	1	
⚠ 1-6	VMZ2878	SHIELD SHEET (A)	1	
1-7	VMZ2880	SHIELD SHEET (C)	1	
1-8	VJF0469	CLAMPER	1	
1-9	VEE0E65	DC OUT CABLE	1	
1-10	VJP1885	CONNECTOR (MALE)	1	K1AA104H0020
1-11	VJF0285	WIRE LOCKING SADDLE	1	
⚠ 1-12	K3GA1BJ00014	FUSE HOLDER	1	
1-13	L6FAHBBD0001	FAN MOTOR	1	
⚠ 1-14	VJP0083	AC INLET	1	
1-15	VGF0797	DUST PROOF SHEET (A)	1	
1-16	VGF0798	DUST PROOF SHEET (B)	1	
1-17	VGF0799	DUST PROOF SHEET (C)	1	
1-18	VGF0800	DUST PROOF SHEET (D)	1	
1-19	VMT1015	DUST PROOF CUSHION (B)	1	
1-20	VMT1014	DUST PROOF CUSHION (A)	1	
⚠ 1-21	VMZ1252	AC INLET COVER	1	
⚠ 1-22	VMZ2139	FUSE HOLDER COVER	1	
1-23	VEE0F62	AC GND	1	
⚠ 1-24	VSF0106C25H	FUSE	1	
1-25	VMP6063	POWER ANGLE	1	
1-26	VMT0825	GASKET	1	
1-27	VMP6178	POWER SUPPLY COVER	1	
1-28	VGF0808	ANGLE COVER	1	
1-29	VLP0408	CORE	1	FOR AJ-HD1200AE/MC
1-30	VMD3785	CLAMPER	1	FOR AJ-HD1200AE/MC
3	VYH0271	HANDLE ASS'Y	1	
3-1	VGM1569	HANDLE COVER	1	
3-2	VMX2845	HANDLE SPACER	2	
3-3	VMP5938	HANDLE ANGLE	2	
3-4	VKH0388	HANDLE	1	
3-5	VGF0761	DUST PROOF SHEET (A)	1	
3-6	VMT0999	DUST PROOF CUSHION (L)	1	
4	VMP6735	BACK FRAME	1	
5	VMP6734	CENTER FRAME	1	
6	VMP5878	SIDE FRAME (R)	1	
8	VKC0554	MINI CARD SPACER	2	
11	VMP6767	GUIDE RAIL HOLDER PLATE B	1	
12	VGQ1016	GUIDE RAIL	10	
13	VMP5906	P.C.BOARD HOLDER ANGLE	1	
14	VMP5905	P.C.BOARD ANGLE	1	
15	VJF0004	WIRE SADDLE	2	
16	VKA0117	PLASTIC FOOT	4	
17	VMP6830	FRONT FRAME	1	
18	VMT0965	DUST PROOF CUSHION (A)	1	
19	VGF0762	DUST PROOF SHEET (B)	1	
20	VGF0789	DUST PROOF BARRIER	1	
31	VMP5867	BOTTOM FRAME	1	
32	VML2903	AC CORD HOOK	1	
35	VMP8044	GUIDE RAIL HOLDER PLATE A	1	
37	VSC5182	AV I/O SHIELD PLATE	1	
38	VMP6927	AV I/O HOLDER ANGLE	1	
⚠ 39	VMZ2955	POWER SW BARRIER	1	
40	VEE0N31	CABLE	1	
41	VEE0N30	CABLE	1	
42	VSC5635	SHIELD PLATE	1	
43	VGF0808	COVER SHEET	1	
44	VJF0861	BUSHING	1	
45	VMT0798	GASKET	1	FOR AJ-HD1200AE/MC
46	VMT0825	GASKET	6	FOR AJ-HD1200AE/MC
47	VMT0904	GASKET	1	FOR AJ-HD1201AE/MC
48	VMT1227	GASKET	2	
49	VMT1228	GASKET	3	
50	VMT0977	DUST PROOF CUSHION (G)	1	
51	VGF0783	DUST PROOF SHEET (D)	1	
52	VMT0976	DUST PROOF CUSHION (F)	1	
53	VMT1000	DUST PROOF CUSHION (M)	1	
54	VMT1001	DUST PROOF CUSHION (N)	1	
55	VMT1002	DUST PROOF CUSHION (O)	1	
56	VHN0338	NYLON RIVET	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100	XTV3+6F	SCREW	18	
101	XYE3+EF8FR	SCREW	5	
102	XTV3+10F	SCREW	4	
103	XTV3+6FFZ	SCREW	2	
104	XTV3+6FFR	SCREW	6	
105	XTV3+8F	SCREW	8	
106	XSN3+16FZ	SCREW	2	
107	XSN26+6FC	SCREW	2	
108	XYE4+EF8	SCREW	1	
109	XSS4+14FZ	SCREW	2	
110	XYE3+EF8	SCREW	8	
111	XYN3+F8	SCREW	8	
112	XYN3+J8	SCREW	2	FOR AJ-HD1200AE/MC
113	XNG3BS	NUT	2	FOR AJ-HD1200AE/MC
E1	VEP83624B	REC/PB P.C.BOARD	1	
E2	VEP83625B	V OUT SYSCON P.C.BOARD	1	
E4	VEP85214B	RF/EQ P.C.BOARD	1	
E5	VEP85215A	RF/CUE P.C.BOARD	1	
E6	VEP84393B	A PROC P.C.BOARD	1	
E7	VEP84368B	A I/O P.C.BOARD	1	
E10	VEP81203D	POWER 1 P.C.BOARD	1	FOR AJ-HD1200AP
E10	VEP81203E	POWER 1 P.C.BOARD	1	FOR AJ-HD1200AE/MC
E11	VEP81219B	POWER 2 P.C.BOARD	1	
E12	VEP81232B	POWER 3 P.C.BOARD	1	
E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	
E14	VEP80C73B	MOTHER P.C.BOARD	1	

CASING ASSEMBLY

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CASING ASSEMBLY

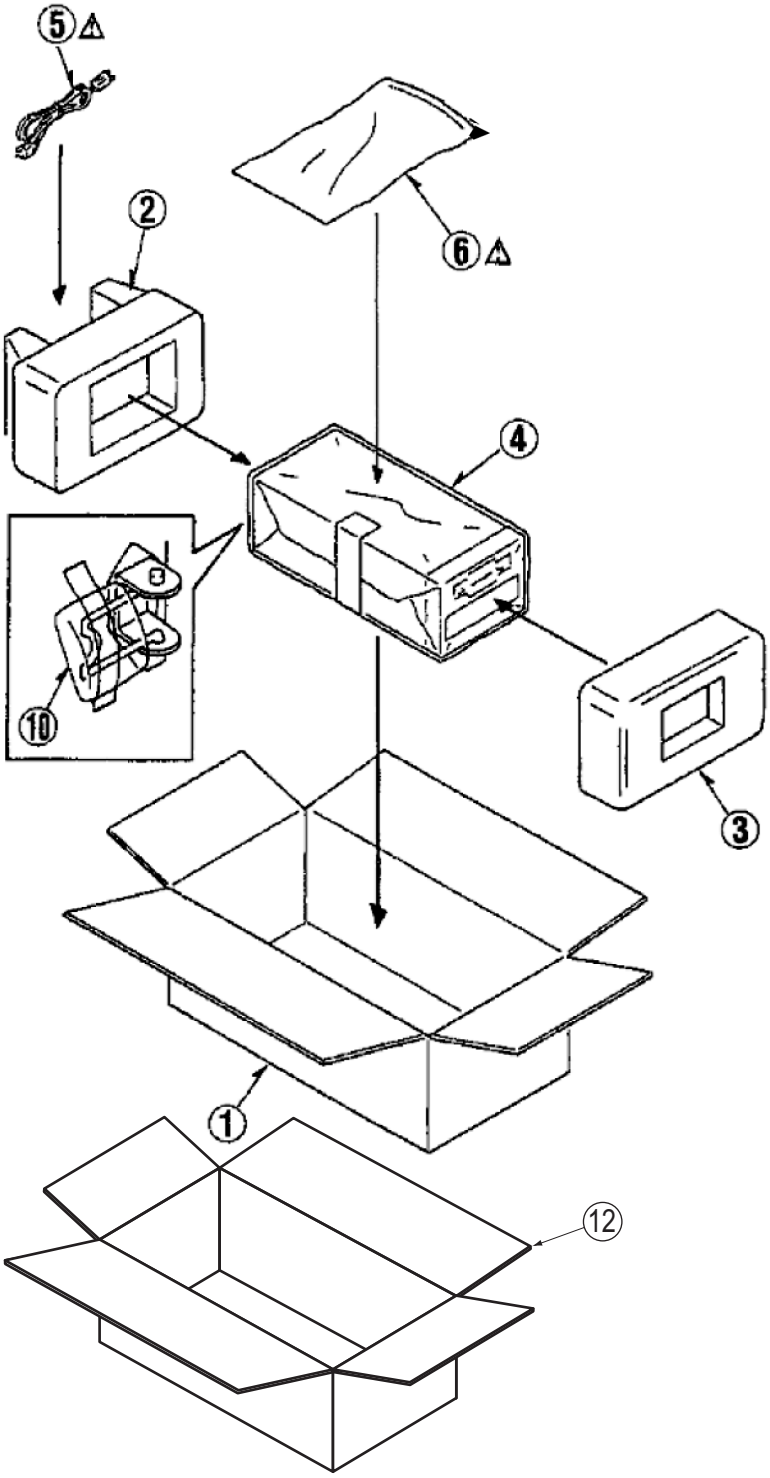
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYM0206	TOP PLATE ASS'Y	1	
1-1	VHD0274	SCREW	2	
1-2	VMP5903	TOP PANEL ANGLE	1	
1-3	VMX2510	SPACER	2	
1-4	VMT0967	DUST PROOF CUSHION (C)	1	
1-6	VMZ2325	TOP PANEL BARRIER	1	
1-7	VMX2930	SCREW GUIDE SPACER	1	
2	VXA7800	CHASSIS ANGLE ASS'Y	1	
3	VXA6923	P.C.B. ANGLE A ASS'Y	1	
3-2	VMX3068	P.C.B. HOLDER RUBBER (A)	1	
3-4	VMX3069	P.C.B. HOLDER RUBBER (B)	1	
4	VJH1244	JACK PLATE	1	
5	VEE0Z29	8P CABLE	1	
8	L6FAHBBD0001	FAN MOTOR	1	
9	VWJ1712	AV REMOTE FFC	1	
10	VWJ1711	REAR JACK FFC	1	
11	VWJ1463	28P FFC	1	
14	VMZ2909	SHEET (B)	2	
18	VYP9004	FRONT PANEL (1) ASS'Y	1	
18-1	VGU3894	BUSH BUTTON	3	
18-2	VMB2597	KEY BUTTON COIL SPRING	3	
18-3	VGQ3176	PUSH BUTTON	3	
19	VXU1160	REC VR KNOB	4	
21	VMP5873	VR HOLDER ANGLE	1	
22	VGF0687	SLIDE SW SHEET	3	
23	VGU5582	SWITCH KNOB	3	
24	VGU5605	KNOB	1	
25	VMP5908	P.C.BOARD HOLDER ANGLE	1	
26	VGU8134	TOGGLE SW KNOB	1	K0YA00000037
27	VGK2475	TOGGLE SW SHEET	1	
29	VMP5909	TOP PANEL ANGLE	1	
30	VKF3191	BLIND PANEL	1	FOR AJ-HD1200AP/E
30	VKF3434	BLIND PANEL	1	FOR AJ-HD1200AMC
31	VMB3334	BLIND SPRING	1	
32	VYQ2807	CASSETTE GUIDE ASS'Y	1	
33	VGF0706	FLEXIBLE CABLE BARRIER	1	
34	VMZ2905	FRONT P.C.BOARD BARRIER	1	
35	VWJ24AW210M0	FRONT (1) FFC	1	
37	VYF2998	BOTTOM PLATE ASS'Y	1	
37-1	VMG1197	FOOT	4	
37-2	VMT0976	DUST PROOF CUHION (F)	2	
37-3	VMT1003	DUST PROOF CUHION (P)	1	
37-4	VMT0965	DUST PROOF CUHION (B)	2	
37-5	VMT0967	DUST PROOF CUHION (C)	1	
37-6	VMT0968	DUST PROOF CUHION (D)	2	
37-7	VGF0834	DUST PROOF SHEET	1	
38	VGF0763	DUST PROOF SHEET (C)	1	
⚠ 40	VES0899	POWER SW ASS'Y	1	
41	VGU8051	POWER BUTTON	1	
42	VWJ1276	KEY FFC	1	
43	VGF0836	BLIND SHEET	1	
44	VWJ40E5090L0	FLEXIBLE CABLE	1	
45	VWJ40E5070L0	FLEXIBLE CABLE	1	
46	VJF0108	SPACER	3	
47	VMZ3436	SHIELD SHEET	1	
48	VMP7957	BLANK PANEL	1	
49	VSC5619	FAN SHIELD	1	
50	VXQ0102	SCREW	2	K1YE50000008
51	VMT0877	GASKET	8	
100	XQN26+A25FC	SCREW	3	
101	XTV3+6F	SCREW	15	
102	XTV3+6FFR	SCREW	5	
103	XTV3+6FFZ	SCREW	3	
104	XSN26+6FZ	SCREW	8	
105	XYE4+EF8	SCREW	1	
106	XTN3+10JFZ	SCREW	5	
107	XTN3+F6RS	SCREW	4	
108	XTV3+8G	SCREW	8	
109	XYE3+EJ10FR	SCREW	5	
111	XSB4+4FCW	SCREW	4	
112	XTV3+8FFZ	SCREW	14	
113	XNG3B	NUT	2	
114	VMX2582	WASHER	2	
115	XYN3+K20FZ	SCREW	2	
116	XYE3+EF6	SCREW	1	
117	XYN26+F5	SCREW	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E15	VEP86343A	FRONT P.C.BOARD	1	
E16	VEP83626A	V JACK P.C.BOARD	1	
E17	VEP84394B	A JACK P.C.BOARD	1	
E18	VEP86344A	KEY P.C.BOARD	1	
E19	VEP86346A	REC VR P.C.BOARD	1	
E20	VEP86347A	PB VR P.C.BOARD	1	
E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	
E23	VEP82249B	SERVO P.C.BOARD	1	

PACKING PARTS ASSEMBLY

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VPG9169	PACKING CASE	1	
2	VPN5024	CUSHION (R)	1	
3	VPN5023	CUSHION (L)	1	
4	VPF0876	POLYETHYLENE BAG	1	
⚠ 5	K2CG3CH00001	POWER CORD	1	FOR AJ-HD1200AP
⚠ 5	VJA0774	POWER CODE	1	FOR AJ-HD1200AE
⚠ 5	VJA0775	POWER CODE	1	FOR AJ-HD1200AE
⚠ 5	K2CK3DH00015	POWER CORD	1	FOR AJ-HD1200AMC
⚠ 6	VQT0L36	OPERATING INSTRUCTIONS	1	FOR AJ-HD1200AP
⚠ 6	VQT0L37	OPERATING INSTRUCTIONS	1	FOR AJ-HD1200AE
⚠ 6	VQT0L38	OPERATING INSTRUCTIONS	1	FOR AJ-HD1200AMC
10	VPF0892	POLYETHYLENE BAG (2)	1	
12	VPG0Z66	PACKING CASE	1	FOR AJ-HD1200AMC

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ELECTRICAL REPLACEMENT PARTS LIST
(AJ-YA120AG)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83573H	I/O CONV P.C.BOARD	1	(RTL)
■ E2	VEP83634B	SGEN SDI P.C.BOARD	1	(RTL)
■ E2-1	VEP83631A	HD SDI RX P.C.BOARD	1	(RTL)FOR VEP83634B
■ E2-2	VEP83632A	HD SDI TX P.C.BOARD	1	(RTL)FOR VEP83634B
■ E1	VEP83573H	I/O CONV P.C.BOARD	1	(RTL)
C100	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C102	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C103	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C104,05	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C106-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C112	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C113,14	EEFCD0J220R	E.CAPACITOR 6.3V 22U	2	
C115	EEFCD0G560R	E.CAPACITOR 4V 56U	1	
C116,17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C206-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	20	
C340-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C345	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C346-50	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C351	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C352-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C361	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C363	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C364-69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C380	VCEA1CAP330	C.CAPACITOR 16V 33U	1	F2D1C3300002
C401-16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C420	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C500-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C602,03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C610	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C612	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C614	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C618	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C619	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C620	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C621	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C622	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C623	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C624	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C625	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C626-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C700-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
IC100	LT1963EST	IC	1	
IC101,02	C0CBAAB00021	IC	2	
IC200-04	C0JBAF000315	IC	5	
IC205	C0JBAZ001880	IC	1	
IC206-09	TLCX245FT	IC	4	
IC210,11	C0JBAZ001880	IC	2	
IC212,13	TLCX245FT	IC	2	
IC214	C0JBAZ001880	IC	1	
IC215	TLCX245FT	IC	1	
IC216	C0JBAZ001880	IC	1	
IC217	TLCX245FT	IC	1	
IC218,19	TLCX00FT	IC	2	
IC340	C1ZBZ0001942	IC	1	
IC341	C3ABQG000041	IC	1	
IC342	C0JBAZ001907	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC400	UPD82277N003	IC	1	
IC401	C0JBAZ001880	IC	1	
IC500-11	C3ABQG000041	IC	12	
IC512-15	C3ABQB000001	IC	4	
IC600	C1ZBZ0001884	IC	1	
IC700	C0JBAZ001880	IC	1	
IC701	TVHC244FT	IC	1	
IC702-06	C0JBAF000315	IC	5	
IC709	S80715ANDC	IC	1	
ID1	VVVSI4241B	SOFTWARE	1	DOWNLOAD ONLY
IP700-02	C1ZBZ0001555	IC	3	
L100,01	VLF1151A132	COIL	2	
L102-05	VLP0192	COIL	4	
L108	VLP0192	COIL	1	
P100	VJP4064N160C	CONNECTOR (MALE)	1	K1KBG0A00006
P700,01	K1KA08B00147	CONNECTOR (FEMALE)	2	
R100	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R110	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R111	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R112-16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R120-66	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	47	
R168	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R169-71	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R172,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R174	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R175-83	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	9	
R191-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R207	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R208	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R209	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R210	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R211-14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R215-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	12	
R227,28	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R237	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R251	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R267	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R277	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R281	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R289	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R297	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R298	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R299	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R300	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R301	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R302	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R303	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R304	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R305	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R307	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R308	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R309	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R311-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R317,18	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R322	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R323	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R327	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R331	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R340	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R341	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R342,43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R344	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R345	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R346-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R351	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

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When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R354-59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R362-64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R366	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R367,68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R371	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R373	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R374	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R375,76	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R377	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R378,79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R380	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R381	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R383	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R384	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R410	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R411-14	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R418,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R422-04	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	83	
R505-07	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	3	
R508,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R511	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R519-22	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	4	
R600	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601-03	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	12	
R619	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R621	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R622	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R623	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R624,25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R626	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R627	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R628	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R630	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R633	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R634	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R635-37	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R638	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R639	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R640	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R641	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R642	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R645	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R649,50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R651	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R652	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R653-60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R661	ERDS2TJ180	C.RESISTOR 1/4W 18	1	
R700	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R702	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R703	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R704-08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R710,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R713	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R714-53	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	40	
R754	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R756	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R758,59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R760	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R762-64	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R765	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R766,67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R770	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R773	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R774	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R775	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R776	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R777	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
TG100-05	EYF6CU	TEST POINT	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP200,01	EYF6CU	TEST POINT	2	
TP340,41	EYF6CU	TEST POINT	2	
TP343-52	EYF6CU	TEST POINT	10	
TP355,56	EYF6CU	TEST POINT	2	
TP358	EYF6CU	TEST POINT	1	
TP361	EYF6CU	TEST POINT	1	
TP363-65	EYF6CU	TEST POINT	3	
TP369,70	EYF6CU	TEST POINT	2	
TP372,73	EYF6CU	TEST POINT	2	
TP400-09	EYF6CU	TEST POINT	10	
TP600	EYF6CU	TEST POINT	1	
TP603,04	EYF6CU	TEST POINT	2	
TP606,07	EYF6CU	TEST POINT	2	
TP612,13	EYF6CU	TEST POINT	2	
TP615	EYF6CU	TEST POINT	1	
TP623-25	EYF6CU	TEST POINT	3	
TP654,55	EYF6CU	TEST POINT	2	
TP657-59	EYF6CU	TEST POINT	3	
TP700,01	EYF6CU	TEST POINT	2	
TP703	EYF6CU	TEST POINT	1	
TP705	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	XYN3+K6	SCREW	6	
	VMX2020	P.C.BOARD POST	2	K9ZZ00000689
	VMP7960	UC P.C.B. MOUNT ANGLE	1	
■ E2	VEP83634B	SGEN SDI P.C.BOARD	1	(RTL)
■ E2-1	VEP83631A	HD SDI RX P.C.BOARD	1	(RTL)FOR VEP873634B
■ E2-2	VEP83632A	HD SDI TX P.C.BOARD	1	(RTL)FOR VEP873634B
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3	F3K1A2260001	T.CAPACITOR CH 10V 22U	1	FOR VEP83632A
C5	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C6	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C7	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83632A
C8	EEFCD0K330R	E.CAPACITOR 8V 33U	1	FOR VEP83632A
C10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C10	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C12	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83632A
C12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C12	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP83631A
C14	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	FOR VEP83632A
C14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C14	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP83631A
C15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C15	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83632A
C15	F3K0J3360001	T.CAPACITOR CH6.3V 33U	1	FOR VEP83631A
C16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C18	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	FOR VEP83631A
C18,19	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C20	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C21	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83631A
C22	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C22	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83631A
C23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C23	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C23	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C24	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C26	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C26	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C26	F3K0J3360001	T.CAPACITOR CH6.3V 33U	1	FOR VEP83631A
C27	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C27	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C27	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C28	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C28	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C28	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C29	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C29	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C29	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C30	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C30	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C31	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C31	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C32	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83631A
C32	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C33	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83631A
C34	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C34	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C35	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C35	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C36	ECUM1H222JN	C.CAPACITOR CH 50V 2200P	1	F1J1H222A508 FOR VEP83631A
C37	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C39	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83632A
C39	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C40	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83632A
C40	F3K0J3360001	T.CAPACITOR CH6.3V 33U	1	FOR VEP83631A
C41	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83632A
C41	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C42	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83632A
C42	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C43	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C43	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C44	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C45	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C45	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C46	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C46	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C47	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C48	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C48	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C49	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83631A
C49	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C50	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C50	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C51	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C52	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C53	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C55	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C55	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C56	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C57	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C57	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C58	EEFCD0K330R	E.CAPACITOR 8V 33U	1	FOR VEP83631A
C58	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C59	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C60	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83631A
C61	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C61	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C62	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83631A
C63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C67	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C68	EEFCD0K330R	E.CAPACITOR 8V 33U	1	FOR VEP83632A
C69-72	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	4	FOR VEP83632A
C73	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	FOR VEP83632A
C101,02	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C103	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C104	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C105-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C116	ECA1CEN470	E.CAPACITOR 16V 47P	1	
C120	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C126,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C129	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C131	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C132	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C137	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C140	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C144	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C146	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C147	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C148	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C150	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C152	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C153	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C154	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C156	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C159,60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C162	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C165,66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C200-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C204	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C205,06	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C207	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C300	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C301	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C302	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C303,04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C305,06	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C307	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C308,09	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C310,11	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C312	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C313	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C314-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C318	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C319	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C320-22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C323	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C324	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C325	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C326-28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C329	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C330-33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C334,35	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C336-38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C339	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C340	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C341-43	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C344	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C345-48	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C350-52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C400,01	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C402	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C403-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C406	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C407	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C408	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C409-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C415	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C416	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C417	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C418	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C422-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C426	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C503-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C508	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C510-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C519	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C520-26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C527,28	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C529-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C602-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C613	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C614	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C616	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C617,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C619	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C620	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C621	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C622,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C624	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C625	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C626-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C701,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C703	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C704-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C707	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C708,09	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C710	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D300,01	MA3J14300L	DIODE	2	
D400,01	MA3J14300L	DIODE	2	
D402	MA4030-L	DIODE	1	
D500,01	MA3J14300L	DIODE	2	
IC2	C0CBABD00005	IC	1	
IC3	C0CBAAD00008	IC	1	FOR VEP83632A
IC3	C0CBABD00005	IC	1	
IC3	C1AB00001653	IC	1	FOR VEP83631A
IC4	C0CBAAD00008	IC	1	FOR VEP83631A
IC4	C0JBBZ000174	IC	1	FOR VEP83632A
IC5	C1AB00001900	IC	1	FOR VEP83631A
IC5	C1ZBZ0001555	IC	1	
IC5	C9ZB00000361	IC	1	FOR VEP83632A
IC6	C1ZBZ0002146	IC	1	FOR VEP83632A
IC6	C9ZB00000361	IC	1	FOR VEP83631A
IC6	LT1129CS8	IC	1	
IC7	C0JBBZ000174	IC	1	FOR VEP83631A
IC7	LT1175CS8	IC	1	
IC8	C1ZBZ0001555	IC	1	
IC8	LT1086CM33	IC	1	FOR VEP83631A
IC100	TC7W53FU	IC	1	
IC101	C1AB00000234	IC	1	
IC102	C0JBAM000039	IC	1	
IC103	C0BBZB000001	IC	1	
IC104	C0JBAM000039	IC	1	
IC105	C0JBCA000066	IC	1	
IC106	C0JBAM000045	IC	1	
IC107	C0JBAA000175	IC	1	
IC108	C0ABEB000017	IC	1	
IC109	AD8055AR	IC	1	C0ABGB000013
IC112	GS4981-C	IC	1	
IC114	TC7W53FU	IC	1	
IC116	TC7W53FU	IC	1	
IC119	C0BBZB000001	IC	1	
IC200	UPD65650J203	IC	1	C1ZBZ0001380
IC201	C0JBAM000039	IC	1	
IC300-02	MM74HC221AM	IC	3	C0JBAM000078
IC303	C0JBAM000039	IC	1	
IC304-06	C0ABEB000017	IC	3	
IC307	C0JBAR000353	IC	1	
IC308	C0JBAS000075	IC	1	
IC309	TC7W53FU	IC	1	
IC310	C0JBAB000200	IC	1	
IC311	C0JBAZ000851	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC312	XC62GR5022P	IC	1	
IC314	C0JBAZ000279	IC	1	
IC316	XC62GR5022P	IC	1	
IC320	C0JBAZ000606	IC	1	
IC338	C0JBAA000175	IC	1	
IC339	C0BBZB000001	IC	1	
IC340	C0JBAA000261	IC	1	
IC400	C0JBAA000175	IC	1	
IC401	C0JBAZ000279	IC	1	
IC403	C0ABEB000017	IC	1	
IC405	DS90LV047AC	IC	1	
IC406	C0JBAZ000851	IC	1	
IC407	C0CBADD00003	IC	1	
IC408	C0CBBDB00004	IC	1	
IC409,10	TC7W53FU	IC	2	
IC411	C0CBABD00005	IC	1	
IC500	C0JBAA000175	IC	1	
IC502,03	C0ABEB000017	IC	2	
IC504	C0JBAZ000279	IC	1	
IC506	C0JBAZ000851	IC	1	
IC508	M62370GP	IC	1	C0FBBD000082
IC509	C0CBBDB00004	IC	1	
IC510	C0CBADD00003	IC	1	
IC600	C0JBAZ001728	IC	1	
IC601	C0JBAZ001003	IC	1	
IC602,03	IDTLVC16245F	IC	2	
IC604	C0JBAZ000851	IC	1	
IC605,06	TLCX245FT	IC	2	
IC609	C0JBAB000200	IC	1	
IC610	C0JBAZ001728	IC	1	
IC613	C1ZBZ0002370	IC	1	
IC614	DS90LV047AC	IC	1	
IC615	DS90CR218MTD	IC	1	C0ZBZ0000468
IC618,19	C0CBABD00005	IC	2	
IC620	DS90LV048AC	IC	1	
IC622	DS90CR217MTD	IC	1	C0ZBZ0000466
IC623	TLCX04F	IC	1	
IC624,25	C0JBAZ001825	IC	2	
IC700	C1AB00001386	IC	1	
IC701	C0CBADD00003	IC	1	
ID0	VVVSI4287B	SOFTWARE	1	DOWNLOAD ONLY
J1-J3	VJP4131	CONNECTOR (MALE)	3	K1QZB1AD0003 FOR VEP83631A
J4	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83631A
J5	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83631A
J5 02	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83632A
J700,01	VJP4131	CONNECTOR (MALE)	2	K1QZB1AD0003
L1	VLP0183	COIL	1	J0JKC0000007
L3	VLP0183	COIL	1	J0JKC0000007 FOR VEP83632A
L4	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83631A
L4	VLP0183	COIL	1	J0JKC0000007 FOR VEP83632A
L5	G1C6N8J00006	COIL 6.8UH	1	FOR VEP83631A
L5	VLF1151A132	COIL	1	FOR VEP83632A
L5	VLP0183	COIL	1	J0JKC0000007
L6	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83632A
L6	VLP0173	COIL	1	J0JGC0000015 FOR VEP83631A
L6	VLP0183	COIL	1	J0JKC0000007
L7	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83631A
L7	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83632A
L7	VLP0183	COIL	1	J0JKC0000007
L8	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83631A
L13	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83632A
L100	VLQ0163J390	COIL 39UH	1	
L101	VLQ0163J680	COIL 68UH	1	
L300	J0JCC0000119	FILTER	1	
L301	G1C221J00003	COIL 220UH	1	
L700,01	VLQ0426J010	COIL 1UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055 FOR VEP83631A
P2	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055 FOR VEP83632A
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P600	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
P700	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
Q1	B1ABBB000017	TRANSISTOR	1	FOR VEP83632A
Q2	2SC5185	TRANSISTOR	1	FOR VEP83631A
Q3	B1ABBB000017	TRANSISTOR	1	FOR VEP83632A
Q3	B1ABBB000021	TRANSISTOR	1	FOR VEP83631A
Q4	2SC5185	TRANSISTOR	1	FOR VEP83631A
Q5	2SC5185	TRANSISTOR	1	FOR VEP83632A
Q5	B1ABBB000021	TRANSISTOR	1	FOR VEP83631A
Q6,Q7	2SC5185	TRANSISTOR	2	FOR VEP83632A
Q100	2SD601A-R	TRANSISTOR	1	
Q101	2SA1532-B	TRANSISTOR	1	
Q102,03	2SD601A-R	TRANSISTOR	2	
R1	EXBV8V102J	COMBI.R-R 1K	1	
R2	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R3	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R3	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	FOR VEP83631A
R4	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83631A
R5	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R5	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R7	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R7	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	FOR VEP83631A
R8	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R9	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R9	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R9	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	FOR VEP83631A
R10	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R11	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R11	EXBV8V101J	COMBI.R-R 100	1	
R12	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R12	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R13	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R13,14	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	FOR VEP83631A
R15	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R15	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R16	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R16	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R18,02	D1H810040003	COMBI.R-R 10	2	FOR VEP83632A
R19	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83631A
R20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP83631A
R21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R21	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP83631A
R22,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP83632A
R23	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83631A
R24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R24	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	FOR VEP83631A
R25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R27	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83631A
R27	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83631A
R30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP83632A
R31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83632A
R32	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R33	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R34	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R34	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R35	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R36	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R36,37	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	2	FOR VEP83631A
R37	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	FOR VEP83632A
R38	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83631A
R39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R41	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R42	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R43	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	FOR VEP83632A
R44	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	FOR VEP83631A
R44	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	FOR VEP83632A
R45	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R46	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R46	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83631A
R47	D1H84704A008	COMBI.R-R 47	1	FOR VEP83631A
R47	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R48	D1H84704A008	COMBI.R-R 47	1	FOR VEP83631A
R48	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R49,50	D1H84704A008	COMBI.R-R 47	2	FOR VEP83631A
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R51	D1H84704A008	COMBI.R-R 47	1	FOR VEP83631A
R52	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R52	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83631A
R53	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83631A
R54	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R54	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83631A
R55	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83631A
R56	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83631A
R57	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R58	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R58	VRE006610102	M.RESISTOR CH 1/10W 1K	1	D0YD102JA007 FOR VEP83631A
R59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R59	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	FOR VEP83631A
R60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83631A
R61	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R63	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R63	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	FOR VEP83631A
R64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83631A
R64	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP83631A
R65	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83632A
R66	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R67	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83632A
R68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP83631A
R68	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83632A
R69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R69	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83632A
R70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R70	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	FOR VEP83632A
R71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R71	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R72	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R73	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R74	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R75	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R75	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R76	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R76	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R77	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R77	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R78	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R78	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R79	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R79	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R80	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R80	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R81	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R81	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R83	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	FOR VEP83632A
R84	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R84	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83632A
R85	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R85	VRE006622152	M.RESISTOR CH 1/10W 1.5K	1	D0YD152JA008 FOR VEP83632A
R86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83631A
R86	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	FOR VEP83632A
R87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R88	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R88	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R89,90	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	FOR VEP83632A
R91,92	ERJ3RED180	M.RESISTOR CH 1/16W 18	2	FOR VEP83632A
R93,94	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	FOR VEP83632A
R95	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R96-99	ERJ3RED680	M.RESISTOR CH 1/16W 68	4	FOR VEP83632A
R100,01	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	FOR VEP83632A
R102	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R102	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP83632A
R103	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R103	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP83632A
R104	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R105	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R105	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R106	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R106	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R109,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R111	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R112	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R113	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R114	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R115	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R116	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R117	ERJ3RED184	M.RESISTOR CH 1/16W 180K	1	
R118	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R120	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R123	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R125	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R126	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R131	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R132	ERJ3RED394	M.RESISTOR CH 1/16W 390K	1	
R133	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R135	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R138	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R139	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R141	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R143	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R144	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R146,47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R148	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R200	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R201	EXBV8V102J	COMBI.R-R 1K	1	
R202-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R206	ERJ3RED154	M.RESISTOR CH 1/16W 150K	1	
R207	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R208,09	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R210	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R300	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R301	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R302	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R303,04	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R305,06	ERJ3RBD561	M.RESISTOR CH 1/16W 560	2	
R307,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R309	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R310	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R311	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R312,13	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R314	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R315	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R316,17	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R318	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R319	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R320	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R321	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R322	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R323,24	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R325	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R326,27	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R328	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R329	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R330	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R331	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R335-37	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R339-41	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R400	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R401	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R402	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R403	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R404	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R405	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R406	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R407	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R408	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R409	ERJ3RED124	M.RESISTOR CH 1/16W 120K	1	
R410	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R412	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R413	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R415	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R416,17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R420	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R500-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R503-05	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R507	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R508	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R509	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R510	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R511	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R512	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R513	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R515	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R517	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R518	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R519	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	1	
R520	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R521,22	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R523	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R525,26	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R600,01	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R603,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R605	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R606	EXBV8V102J	COMBI.R-R 1K	1	
R608,09	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R611	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R612	D1H833040002	COMBI.R-R 33	1	
R613,14	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R615	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R616	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R617,18	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R621,22	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R623,24	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R625	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R626-31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R632-35	EXBV8V102J	COMBI.R-R 1K	4	
R636-46	D1H833040002	COMBI.R-R 33	11	
R647,48	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R650	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R651	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R652	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R653-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R658,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R660,61	EXBV8V101J	COMBI.R-R 100	2	
R662	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R663,64	D1H833040002	COMBI.R-R 33	2	
R665	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R666-69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R670	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R671	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R672	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R673,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R675-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R682	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R684-88	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R689	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R690-94	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R697	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R698,99	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R700-02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R703	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R705	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R707	ERJ3RHD3740	M.RESISTOR CH 1/16W 370K	1	
R708	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R709-12	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R713-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
SW1	VSS0367-02B	SWITCH	1	FOR VEP83631A
TG1	EYF6CU	TEST POINT	1	
TG1	EYF6CU	TEST POINT	1	FOR VEP83631A
TG6	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP2	EYF6CU	TEST POINT	1	
TP3	EYF6CU	TEST POINT	1	FOR VEP83631A
TP100	EYF6CU	TEST POINT	1	
TP113,14	EYF6CU	TEST POINT	2	
TP200	EYF6CU	TEST POINT	1	
TP203	EYF6CU	TEST POINT	1	
TP205	EYF6CU	TEST POINT	1	
TP300,01	EYF6CU	TEST POINT	2	
TP401	EYF6CU	TEST POINT	1	
TP603-07	EYF6CU	TEST POINT	5	
TP609,10	EYF6CU	TEST POINT	2	
TP614	EYF6CU	TEST POINT	1	
VR300,01	VRV0113B103	V.RESISTOR 10K	2	
VR302,03	VRV0113B503	V.RESISTOR 50K	2	D3EC45030002
VR304,05	VRV0113B502	V.RESISTOR 5K	2	D3EC45020002
VR400,01	VRV0113B502	V.RESISTOR 5K	2	D3EC45020002
X1	H4G1487B0002	CRYSTAL OSCILLATOR	1	FOR VEP83631A
X1	H4G1487B0002	CRYSTAL OSCILLATOR	1	FOR VEP83632A
X300	VSX0688	CRYSTAL OSCILLATOR	1	H1C1435B0001
X301	VSX0689	CRYSTAL OSCILLATOR	1	H1C1775B0002
X302	VSX0677	CRYSTAL OSCILLATOR	1	H1C1355B0002
X400	H1C7415B0003	CRYSTAL OSCILLATOR	1	
X401	H1C7425B0003	CRYSTAL OSCILLATOR	1	
X500	VSX0906	CRYSTAL OSCILLATOR	1	H4G2705A0001
X501	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
	VMS4950	P.C.B. POST	8	
	XYN26+J6	SCREW	16	
	VMP6727	CONNECTOR MOUNT PLATE A	1	
	VMP7966	CONNECTOR MOUNT PLATE B	1	
	VMX3062	BNC CNCT HOLDER RUBBER	1	
	VMX3064	CONNECTOR HOLDER RUBBER C	1	
	VMX3405	CONNECTOR HOLDER RUBBER E	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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ELECTRICAL REPLACEMENT PARTS LIST
(AJ-YAD120AG)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83651A	1394 IF P.C.BOARD	1	(RTL)
■ E2	VEP80D12A	CN P.C.BOARD	1	
■ E1	VEP83651A	1394 IF P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3,C4	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C8-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C12,13	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C14	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C16,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C18,19	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C20,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C22	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C23-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C26	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C50,51	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C53	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C55	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C56-66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C67	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C68,69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C71	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C76	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C100	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C150	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C151	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C152	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C153	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C154	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C155	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C156	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C157	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C158-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C161	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C162,63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C164	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C165-71	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C172	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C173-78	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C200,01	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C250,51	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C252	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C253-55	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C256	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C257-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C261	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C263,64	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C266	EEFCD0K330R	E.CAPACITOR 8V 33U	1	
C300-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C304	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C305-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C311	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C312	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C313-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C316	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C317,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C319	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C320-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C350-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C400-07	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C450-61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C500	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C502-09	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C550,51	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	2	
C552-56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C561	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C571,72	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C573	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C574	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C670	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C671,72	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C673	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C674	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C675	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C676	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C677	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C678	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C679	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C680	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C681-83	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
D50-54	LN1271RAL	DIODE	5	
D500	LN1271RAL	DIODE	1	
D670	MA2SV0100L	DIODE	1	
IC1	C0CBAAD00023	IC	1	
IC2	C0EBE0000209	IC	1	
IC3,C4	C0CBAAD00008	IC	2	
IC5	C0CBAAG00019	IC	1	
IC6	C0DBAHC00028	IC	1	
IC50	C2GBC0000084	MICRO CONTROLLER	1	
IC51	C0JBAA000174	IC	1	
IC53	TC7W241FU	IC	1	
IC55	C3EBFG000004	IC	1	
IC56	TC7SH32FU	IC	1	
IC58	C0JBAZ000516	IC	1	
IC60	C1AB00001228	IC	1	
IC100	IDT71V321L5F	IC	1	C3HBCC000023
IC150	C9ZB00000410	IC	1	
IC200	C3ABRG000011	IC	1	
IC250	C1DB00000873	IC	1	
IC300	VSI4128A	IC	1	
IC301	C3ABQG000045	IC	1	
IC350	T160G70-1601	IC	1	
IC400	MN673797A	IC	1	
IC450	C1ZBZ0002432	IC	1	
IC500	TC7W241FU	IC	1	
IC502	C1ZBZ0002224	IC	1	
IC503	C3FBMG000011	IC	1	
IC551,52	C0JBAZ001825	IC	2	
IC556,57	C0JBAZ001907	IC	2	
IC560	C0JBAZ001825	IC	1	
IC561,62	C0JBAB000422	IC	2	
IC600	C0JBAZ000279	IC	1	
IC601	C0JBAZ000529	IC	1	
IC602	C0JBAZ001825	IC	1	
IC604	C0ABHA000020	IC	1	
ID0	VVVSI4282D	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4288C	SOFTWARE	1	DOWNLOAD ONLY
L1	VLP0183	COIL	1	J0JKC0000007
L3	VLP0183	COIL	1	J0JKC0000007
L50	VLQ0319K470	COIL 47UH	1	G1C470K00013
L250	VLQ0319K470	COIL 47UH	1	G1C470K00013
L251,52	J0LB00000048	FILTER	2	
L550	VLQ0319K470	COIL 47UH	1	G1C470K00013
L670	VLQ0163J470	COIL 47UH	1	

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When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L671	G3AR56Z00001	COIL 0.56UH	1	
P1	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055
P2	VJS3791B020	CONNECTOR (FEMALE)	1	
P50	K1KA10A00303	CONNECTOR (MALE)	1	
P250	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P500	K1KA08B00147	CONNECTOR (FEMALE)	1	
⚠ Q1	HAT1033T	TRANSISTOR	1	
Q670	2SA153200L	TRANSISTOR	1	
Q671	2SC3930	TRANSISTOR	1	
QR1	UNR521400L	TRANSISTOR-RESISTOR	1	
QR50-54	UNR521400L	TRANSISTOR-RESISTOR	5	
QR500	UNR521400L	TRANSISTOR-RESISTOR	1	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4-R6	D1H84704A008	COMBI.R-R 47	3	
R7	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8	EXBV8V102J	COMBI.R-R 1K	1	
R9,10	D1H847240002	COMBI.R-R 4.7K	2	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R12	EXBV8V102J	COMBI.R-R 1K	1	
R15	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R16	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R50	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R53-55	EXBV8V102J	COMBI.R-R 1K	3	
R56-61	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	6	
R62	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R63,64	EXBV8V102J	COMBI.R-R 1K	2	
R65	D1H847240002	COMBI.R-R 4.7K	1	
R74	EXBV8V102J	COMBI.R-R 1K	1	
R75	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R76	EXBV8V102J	COMBI.R-R 1K	1	
R77	D1H833040002	COMBI.R-R 33	1	
R78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R80	D1H833040002	COMBI.R-R 33	1	
R81	EXBV8V102J	COMBI.R-R 1K	1	
R82	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R85	EXBV8V102J	COMBI.R-R 1K	1	
R86	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R87	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R92	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R93	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R95	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R101-04	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R105,06	D1H833040002	COMBI.R-R 33	2	
R151	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R157	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R159	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R161,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R163	D1H847240002	COMBI.R-R 4.7K	1	
R165	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R166	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R168,69	D1H847240002	COMBI.R-R 4.7K	2	
R172,73	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R200	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R250	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R251	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R252	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R253,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R256	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R257	D0GZ103J0001	M.RESISTOR CH 10K	1	
R258	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R259	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R261	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	1	
R262-65	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	4	D0GD560JA003
R266	ERJ6GEYJ512V	M.RESISTOR CH 1/10W 5.1K	1	D0GD512JA003
R268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R270,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R300-02	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R306	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R307	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R309	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R310	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R315	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R400-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R406-09	D1H833040002	COMBI.R-R 33	4	
R410,11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R412-14	D1H833040002	COMBI.R-R 33	3	
R415,16	EXBV8V101J	COMBI.R-R 100	2	
R417,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R451	D1H833040002	COMBI.R-R 33	1	
R453,54	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R455	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R456	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R457-65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	9	
R467,68	D1H833040002	COMBI.R-R 33	2	
R469,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R471	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R472	D1H847240002	COMBI.R-R 4.7K	1	
R473	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R474-77	EXBV8V102J	COMBI.R-R 1K	4	
R478,79	D1H833040002	COMBI.R-R 33	2	
R480-82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R484,85	EXBV8V102J	COMBI.R-R 1K	2	
R486	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R492	EXBV8V102J	COMBI.R-R 1K	1	
R503	D1H847240002	COMBI.R-R 4.7K	1	
R504-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R509	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R514	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R515-17	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R519-22	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R523-27	D1H847240002	COMBI.R-R 4.7K	5	
R550	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R551	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R552	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R553	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R554	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R556,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R558	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R559-62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R563	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R564	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R565,66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R567,68	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R569,70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R573-75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R577	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R578	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R579	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R580,81	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R585,86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R597	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R598	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R599	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R670	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R671,72	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R673	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R674	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R676	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R677	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R678	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R679	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R680	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R681	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R682	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R683	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R684	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R685,86	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R687	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R688,89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R690,91	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R692,93	D1H833040002	COMBI.R-R 33	2	
R694	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW50,51	K0D141A00002	SWITCH	2	
TG1,G2	EYF6CU	TEST POINT	2	
TP70	EYF6CU	TEST POINT	1	
TP401	EYF6CU	TEST POINT	1	
TP404	EYF6CU	TEST POINT	1	
TP450	EYF6CU	TEST POINT	1	
TP454,55	EYF6CU	TEST POINT	2	
TP461,62	EYF6CU	TEST POINT	2	
TP481-83	EYF6CU	TEST POINT	3	
TP550	EYF6CU	TEST POINT	1	
TP554	EYF6CU	TEST POINT	1	
TP670,71	EYF6CU	TEST POINT	2	
VC670	VCV0050	TRIMMER	1	
X50	H0J921400004	CRYSTAL OSCILLATOR	1	
X250	VSX0974	CRYSTAL OSCILLATOR	1	H0J245500010
X550	H0J180500011	CRYSTAL OSCILLATOR	1	
X551	VSX0983	CRYSTAL OSCILLATOR	1	H1A2705B0007
		MISCELLANEOUS		
	VMS4950	P.C.B. POST	3	
	XYN26+J6	SCREW	6	
	C1ZBZ0002330	IC	1	
■ E2	VEP80D12A	CN P.C.BOARD	1	(RTL)
D1-D4	D4ED12700007	DIODE	4	
D5	B0KB00000041	DIODE	1	
P1	K1FA106E0001	CONNECTOR	1	
P2	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
		MISCELLANEOUS		
	VJF1490	CONNECTOR HOLDER A	1	
	VJF1491	CONNECTOR HOLDER B	1	
	XYN2+J6	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

SECTION 1

SERVICE INFORMATION

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   - 11-1. Service Menu Operation INF-46
12. CIRCUIT BOARD LAYOUT INF-47
13. Service Menu Setting INF-48

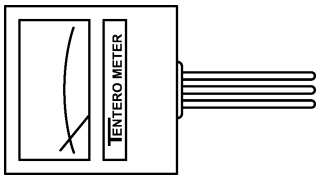
1. SERVICING FIXTURES & TOOLS

NO.	NEW	PART NO.	FIXTURE & TOOL NAME	REMARK
1		VFK1145A	Back Tension Meter	
2		VFK1149B	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5cN･m)	150g
4		VFK1191A	Dial Torque Gauge (0.45cN･m)	45g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5mm)	
7		VFK1154	Post Height Fixture	
8		VFK1586	Neutral Position Plate	for L Cassette
9		VFK1587	Neutral Position Tool (w/ hole)	
10		VFK1588	Neutral Position Tool (w/o hole)	
11		VFK1150A	Nut Driver (5.5mm)	
12		VFK1593	Nut Driver (4.5mm)	
13		VFK1188A	Dial Tension Gauge (300mN)	30g
14		VFK0749	Froiral Grease	for plastics
15		MOR265	Morlytone Grease	for metal
16		VFK0948A	Check Light	
17		VFK1146A	Philips Driver (Fine) (00-75)	
18		VFK1147A	Philips Driver (Fine) (00-100)	
19		VFK1148A	Hex. Driver (1.5mm)	
20		VFK1178A	Hex. Driver (0.89mm)	
21		VFK1589	A/C Head Fixture	
22		VFK1209A	Torque Driver (4 cN･m-30 cN･m)	0.4 kgf･cm -3kgf･cm
23		VFK1590	CPLD Writer	
24		VFK0912	Post Axis Driver (1.5mm)	
25		VFM3580KM	DVCPRO Alignment Tape (No.1) for NTSC	or VFM3580KL
26		VFM3581KM	DVCPRO Alignment Tape (No.2) for NTSC	or VFM3581KL
27		VFM3582KM	DVCPRO Alignment Tape (No.3) for NTSC	or VFM3582KL
28		VFM3380KM	DVCPRO 50 Alignment Tape for NTSC	
29		VFM3010EDS	DV Alignment Tape (Color Bars) for NTSC	
30		VFM3000EDS	DV Alignment Tape for LISTA	
31		VFM3780KML	DVCPRO HDLP Alignment Tape (Color –bar)	
32		VFM3781KML	DVCPRO HDLP Alignment Tape (LISTA)	
33		VFM3782KML	DVCPRO HDLP Alignment Tape (X-Value)	
34		VFM3783KML	DVCPRO HDSP Alignment Tape (Noise Chancellor)	
35		AJ-CL12MP	Cleaning Tape	Via Sales Rote
36		VFK1369	Tape Beg./End Detection Cassette	or VFK1423
37		VFK1186	LISTA Cable	
38		VFK1300	A/D Board (DAQ-12 Quatech)	
39		VFK1498	Extender Board	
40		VZZ0095	Cleaning Cloth	
41		VFK1190	Hex. Wrench	
42		VFK1304A	Flash Memory Version up Tool	

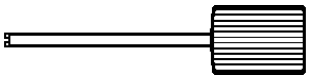
*** The following adjustment software can be downloaded from the Web Site.**

S1		VFK1481K	LISTA Software	
S2		VFK1248M	Flash Memory Version-up Software	
S3		VFK1879	CPLD Version-up Software	
S4		VFK1839A	RF Auto Adjustment Software	

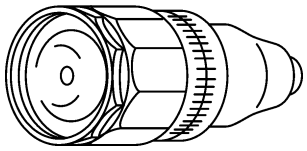
1 **VFK1145A**
Back Tension Meter



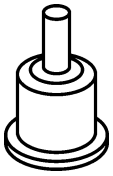
2 **VFK1149B**
Post Driver



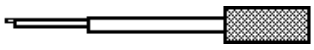
3 **VFK71A** (1.5cN·m)
4 **VFK1191A** (0.45cN·m)
Dial Torque Gauge



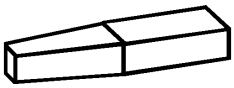
5 **VFK1152**
Dial Torque Gauge Adapter



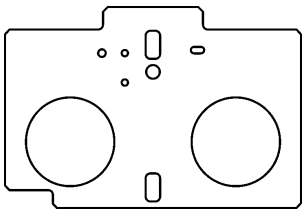
6 **VFK0357**
Eccentric Screwdriver (1.5mm)



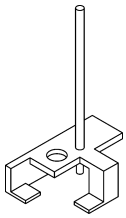
7 **VFK1154**
Post Height Fixture



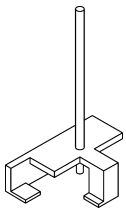
8 **VFK1586**
Neutral Position Plate (For L Cassette)



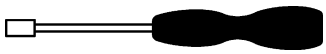
9 **VFK1587**
Neutral Position Tool (W/ hole)



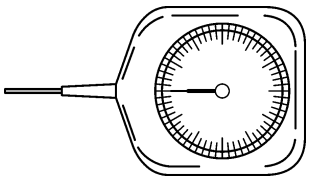
10 **VFK1588**
Neutral Position Tool (W/o hole)



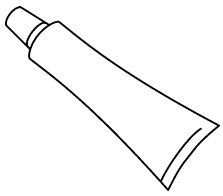
11 **VFK1150A (5.5mm)**
12 **VFK1593 (4.5mm)**
Nut Driver



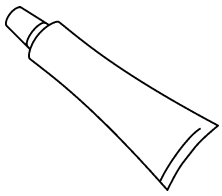
13 **VFK1188A**
Dial Tension Gauge (300mN)



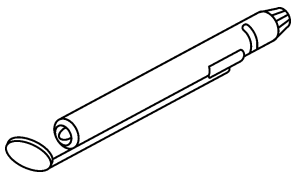
14 **VFK0749**
Froiral Grease (for plastics)



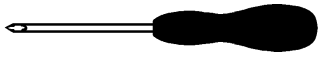
15 **MOR265**
Morlytone Grease (for metal)



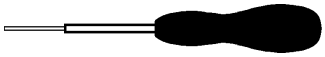
16 **VFK0948A**
Check Light



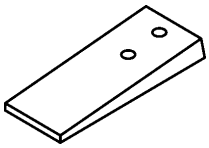
17 **VFK1146A (00-75)**
18 **VFK1147A(00-100)**
Philips Driver (Fine)



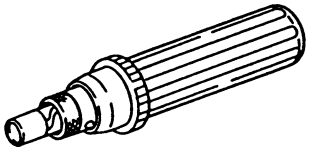
19 **VFK1148A(1.5mm)**
20 **VFK1178A(0.89mm)**
Hex. Driver



21 **VFK1589**
A/C Head Fixture

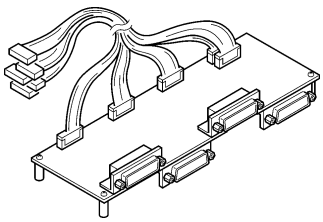


22 **VFK1209A**
Torque Driver
(4 cN·m-30 cN·m
(0.4 kgf·cm -3kgf·cm))



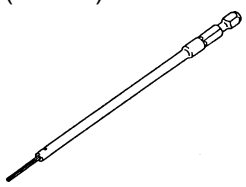
23 **VFK1590**
C PLD Writer

Cables to the boards VFK1590P1, VFK1590P2, VFK1590P3, VFK1590P4 and VFK1590P5 included.



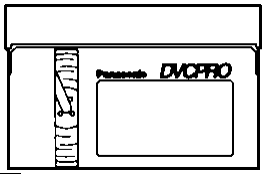
24 VFK0912

Post Axis Driver
(1.5mm)



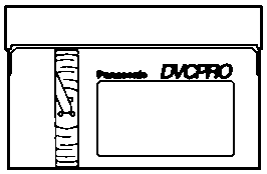
25 VFM3580KM or KL
26 VFM3581KM or KL
27 VFM3582KM or KL

DVCPRO
Alignment Tape



28 VFM3380KM

DVCPRO 50
Alignment Tape (NTSC)

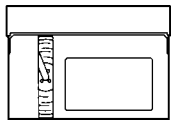


29 VFM3010EDS

DV Alignment Tape
(Color Bars) (NTSC)

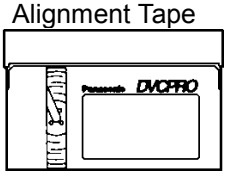
30 VFM3000EDS

DV Alignment Tape
(LISTA)



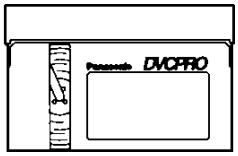
31 VFM3780KML(LP)
32 VFM3781KML(LP)
33 VFM3782KML(LP)
34 VFM3783KML(SP)

DVCPRO HD
Alignment Tape



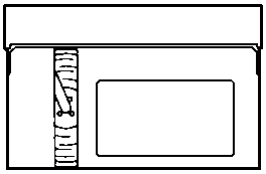
35 AJ-CL12MP

Cleaning Tape



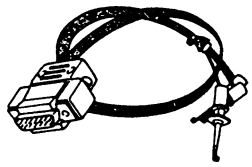
36 VFK1369

Tape Beg./End
Detection Cassette



37 VFK1186

LISTA Cable



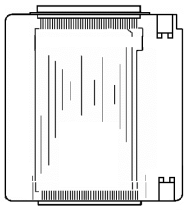
38 VFK1300

A/D Board
(Quatech DAQ-12)



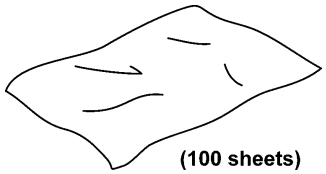
39 VFK1498

Extender Board



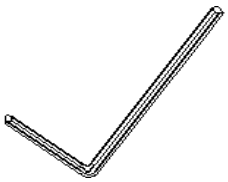
40 VZZ0095

Cleaning Cloth



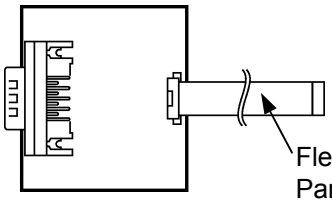
41 VFK1190

Hex Wrench



42 VFK1304A

Flash Memory Version up Tool
(VFK1304 includes the flexible cable
"VWJ20E5500L0".)



Flexible cable
Part No.: VWJ20E5500L0

2. ALIGNMENT TAPE

2-1. VFM3580KM / KL (NTSC) (25M adjustment tape No. 1)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (100%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KM / KL (NTSC) (25M adjustment tape No. 2 for LISTA adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KM / KL (NTSC)
(25M adjustment tape No. 3 for X-value adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) (with drop-out track)	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-4. VFM3380KM (NTSC) (50M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (with teletext) (100%)	Confirmation of video level and teletext level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
4:00	Color bar (SMPTE) (75%)	Confirmation of the video level				
7:00	Multiburst (Y/Pb/Pr)	Frequency characteristic				
10:00	Multiburst (only Y)	Y-frequency characteristic				
13:00	Bow tie	Y/C timing				
16:00	Area marker	Video start timing				

2-5. VFM3010EDS (NTSC) (DV Color Bar adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-6. VFM3000EDS (NTSC/PAL) (DV LISTA adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	LISTA signal	Adjustment of the linearity	-----	-----	-----	-----

2-7. VFM3780KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.1)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-20:00	Color bar (100%)	Confirmation of video level and teletext level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level

2-8. VFM3781KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.2) (For LISTA adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-20:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-9. VFM3782KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.3) (For X-value adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-20:00	Color bar (100%) w/ REF	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-10. VFM3783KML (HD-LP)

(DVCPRO HD LP MODE adjustment tape No.3) (For X-value adjustment)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00-10:00	Color bar (100%) w/ REF	Confirmation of Video Level	1KHz –20Db	Confirmation of the audio level	1KHz	Confirmation of cue audio.
10:00-20:00					-----	-----

3. RECOMMENDED MEASURING INSTRUMENTS

NAME	REMARK
NTSC analogue composite signal generator (with CF OUT)	
SCH meter (NTSC)	
Waveform monitor (NTSC)	
Vector scope (NTSC)	
Oscilloscope	
Digital voltmeter (D.V.M.)	
Frequency counter	
Audio noise meter	
Audio analyser	
Spectrum analyser	
HD Signal Generator	
SD Signal Generator	
HD Waveform Monitor	
SD Waveform Monitor	
HD Monitor	
SD Monitor	

4. MAINTENANCE

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms wear parts, and their wear and deterioration cause problems. Dust and dirt also can impair stable operation. For this reason it is important to not just perform repair at the time of a problem, but to perform suitable maintenance at regular intervals.

	Part name	Part No.	Drum Rotation (hours)				
			Every 1,000	3,000	6,000	9,000	12,000
-	Cleaning tape transportation	-----	**C: Every 500 hours**				
-	Mechanical chassis unit	VXY1842Z1					**R**
1	Cylinder Unit	VEG1655		**R**	**R**	**R**	**IM**
2	Pinch Arm Unit	VXL3040	**R, G**	**R, G**	**R, G**	**R, G**	**IM**
3	Cleaning Arm Unit	VXL3028	**R: Every 1000 hours**				**IM**
4	S Reel Motor Unit	VEM0724			**R**		**IM**
5	T Reel Motor Unit	VEM0731			**R**		**IM**
6	Capstan Unit	VEM0717			**R**		**IM**
7	S Loading Unit	VXA7528			**R, G**		**IM**
8	T Loading Unit	VXA7530			**R, G**		**IM**
9	S4 Post Base Unit	VXA7523			**R**		**IM**
10	S Tension Arm Unit	VXL3165			**R**		**IM**
11	T5 Arm (1) Unit	VXL3164			**R, G**		**IM**
12	T6 Arm Unit	VXL3163			**R**		**IM**
13	Mode SW Unit	VES0925			**R**		**IM**
14	A/C Head 1 Unit	VED0466					**IM**
15	Motor Unit	VEM0726					**IM**
16	Reel Drive Motor Unit	VEM0585C					**IM**
17	Pinch Solenoid	VSJ0227					**IM**
18	S Brake Solenoid	VSJ0216					**IM**
19	T Brake Solenoid	VSJ0216					**IM**
20	MIC SW Base Unit	VXA7921C					**IM**
21	Cleaner Solenoid	VSJ0226					**IM**
22	Main Cam Gear	VDG1424					**IM**
23	Reel Stopper Solenoid	VSJ0216					**IM**
24	Front Loading Motor U.	VXA5597					**F**
25	Front Loading Unit	VXA7920					**R**
26	Fan motor	L6FAHBBD0001					**R**

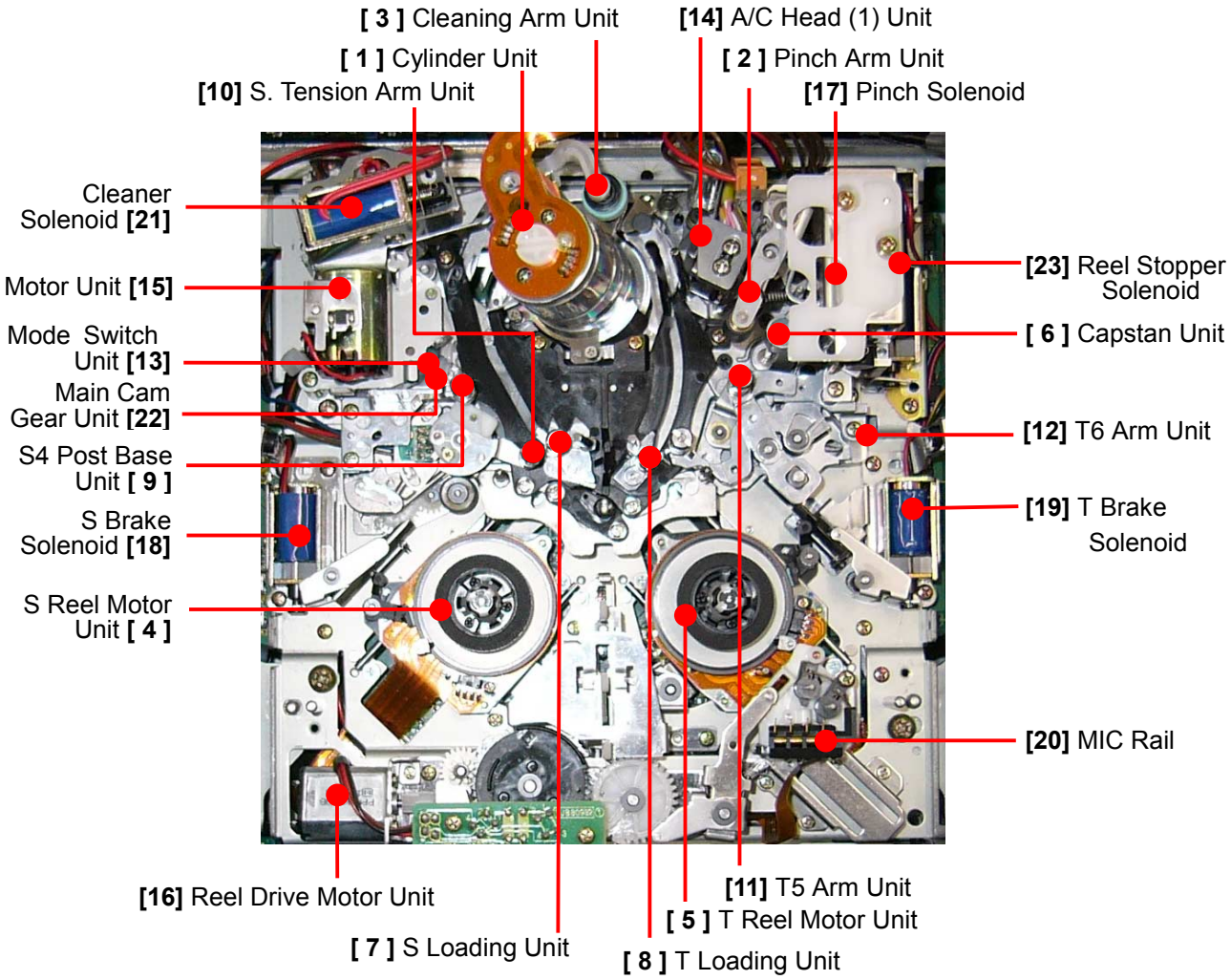
Exchange of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
G : At the time of exchange, wipe off the old grease and apply new grease.
(Morlytone grease)
IM : Included in the mechanical chassis unit.
When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

<Note:>

The Hours of use is indicated by the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the Life of the various parts. The Life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

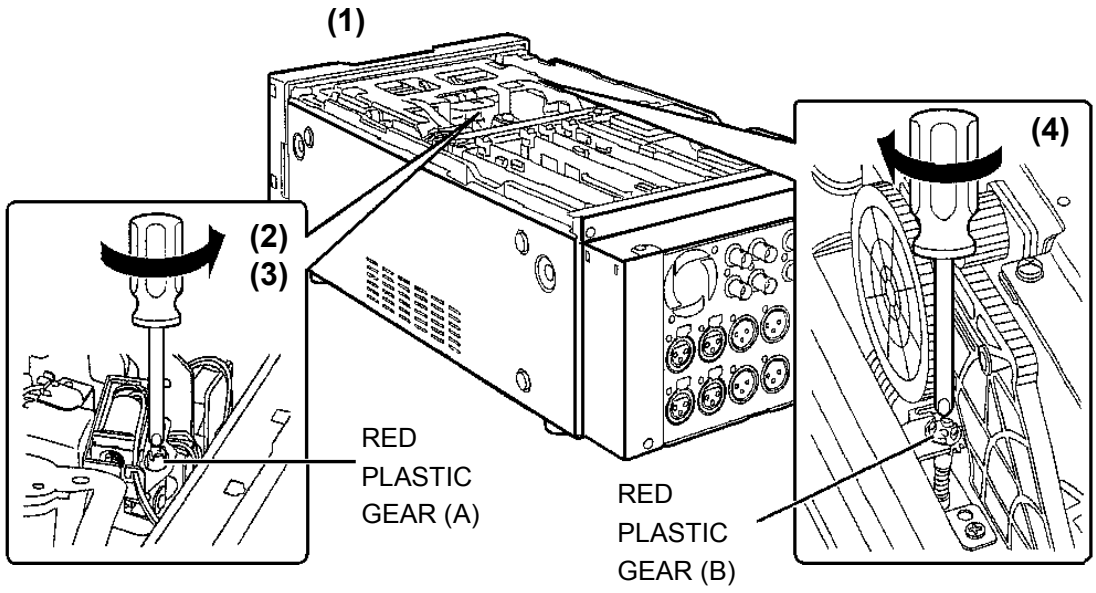
4-2. Layout of the Maintenance Parts



5. MANUAL TAPE EJECT (EMERGENCY EJECT)

When the tape can not be ejected by normal operation because of a problem in the electrical system or the mechanical system, the tape can be removed from the unit manually by means of the following method.

1. Switch off the power and remove the upper cover.
2. Use a Philips head screw driver to push in the red plastic **gear (A)** and turn it in **counter clockwise** direction. At this time, the tape winding mechanism operates at the same time, so that the latch sound will be heard, but turning for about 10 turns should be done in this condition. (Excessive turning can place a load onto the tape and can cause tape damage.)
3. Confirm unloading for each post and that the tape has been stored completely in the cassette.
4. When the tape has returned completely into the cassette, push the plastic **gear (B)** at the front of the cassette down motor work gear, and turn it in clockwise direction to remove the cassette. (Take care that the tape is not caught when the cassette lid closes.)

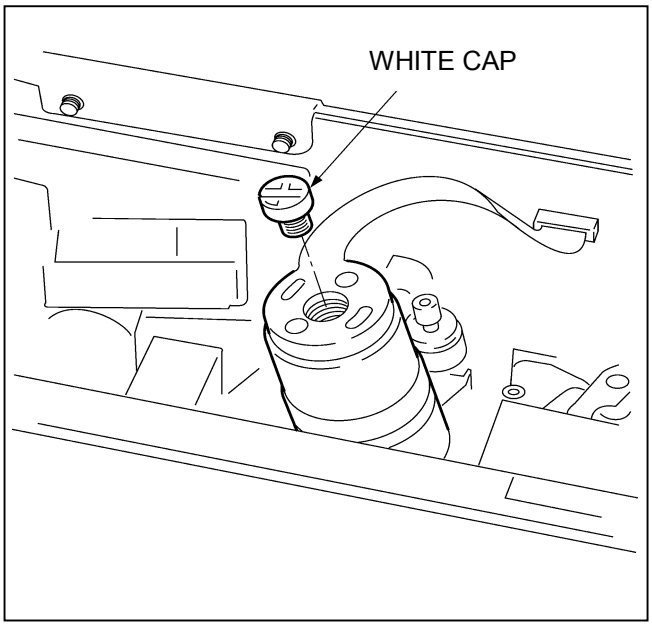


6. CYLINDER HEAD CLEANING METHOD

The cylinder head of this unit has a 3-piece construction (top, center, and bottom), and only the center cylinder with the installed head chip rotates. Accordingly, head cleaning must be performed while rotating only the center cylinder according to the following method.

NOTE: At the time of cleaning, use sufficient care not to touch the head or the cleaning roller with bare hands

1. Switch off the power and remove the upper cover.
2. Use a flat screwdriver to remove the white cap from the upper part of the cylinder, taking care not to drop it. (Refer to the following figure.)



3. Push a cleaning cloth lightly against the center cylinder (the part where the head chip is installed), insert a flat screwdriver into the hole at the center of the cylinder, and turn the center cylinder (the part where the head chip is installed) in CCW direction to perform cleaning.

NOTE: Before inserting the screwdriver into the cylinder, confirm that the center cylinder is stopped.
Take care that the screwdriver exerts no excessive force onto the cylinder unit when it is inserted.

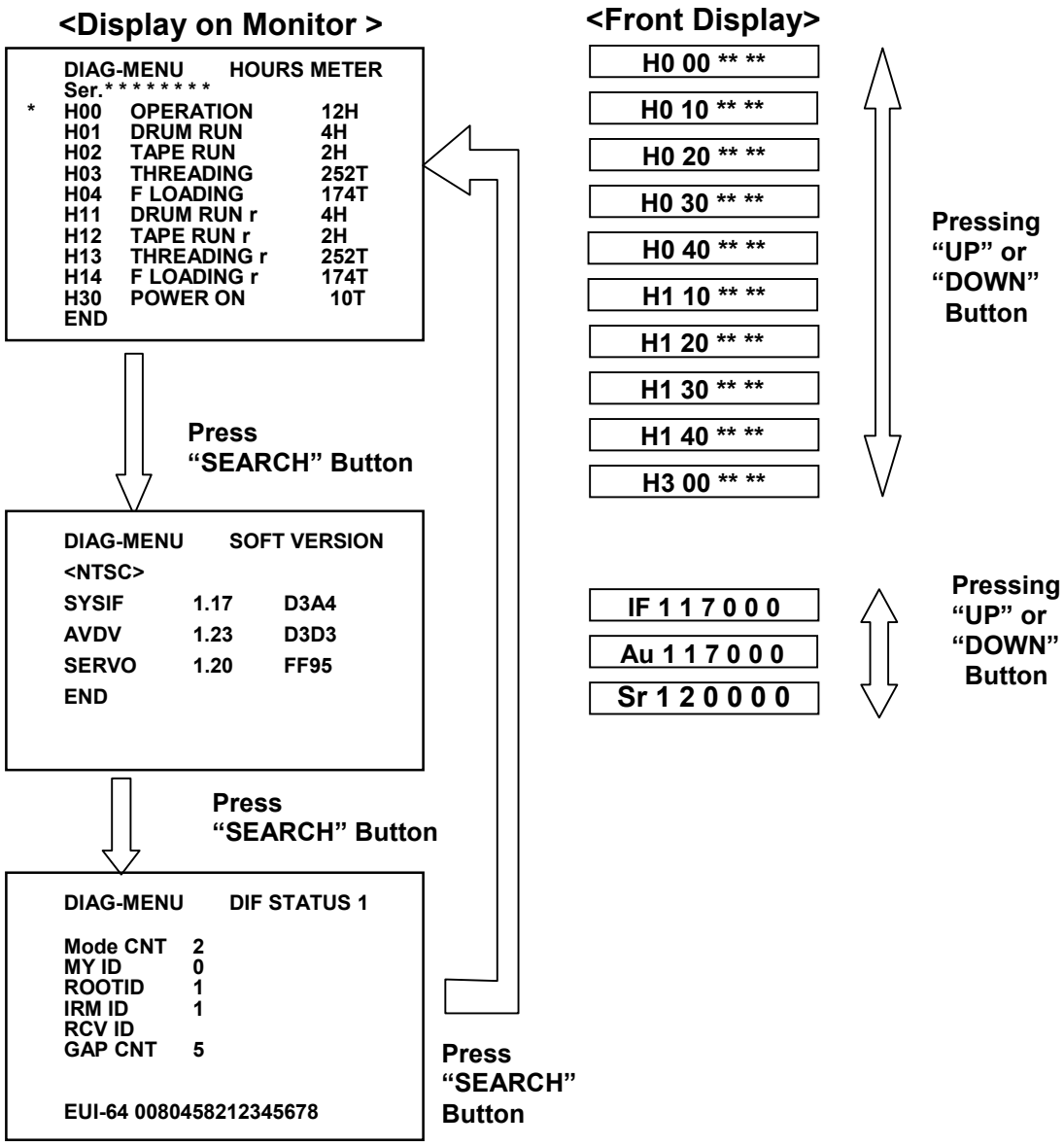
7. DIAG-MENU DISPLAY

The DIAG-MENU is the menu for investigating the status of the VTR, and it has the indicated information.

- Hour meter display (HOUR METER information)
- Software (Microcomputer) version display (SOFT VERSION information)
- DIF status and UID display (This information only displayed, when IEEE1394 IF Board (AJ-YAD120AG) has been installed.
- PLD version display (PLD VERSION information)

7-1. DIAG-MENU Operation Method

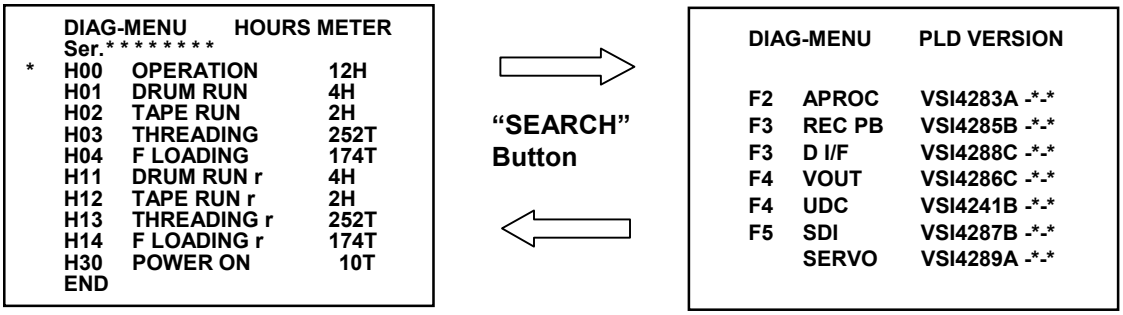
1. Press the **"EJECT"** button on the Front Panel and simultaneously set the **"LOCAL/MENU/REMOTE"** switch on the Front Panel to the **"MENU"** position so that the **"HOURS METER"** displays on the monitor and Front Display.
2. Press the **"SEARCH"** button so that the **"SOFT VERSION"** displays on the monitor TV and Front Panel.
3. Press the **"SEARCH"** button so that the **"DIF STATUS"** and **"UID Number"** are displayed on the monitor and Front Display.
4. Press the **"SEARCH"** button again then the display changes to the **"HOURS METER"** display.
5. The Diag Menu is closed by setting the **"LOCAL/MENU/REMOTE"** switch to the **"LOCAL"** or **"REMOTE"**.



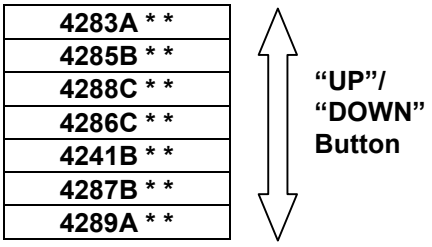
7-2. PLD Version Display

1. Turn on the VTR power.
2. Press the **"EJECT"** and **"STOP"** buttons, and simultaneously set the **"LOCAL/MENU/REMOTE"** to the **"MENU"** position.
3. Press the **"SEARCH"** Button in order to change to the **"PLD VERSION"** display.
4. When the **"LOCAL/MENU/REMOTE"** switch is set to the **"LOCAL2** or **"REMOTE"**, the VTR returns to the normal screen and display.

<Display on Monitor>

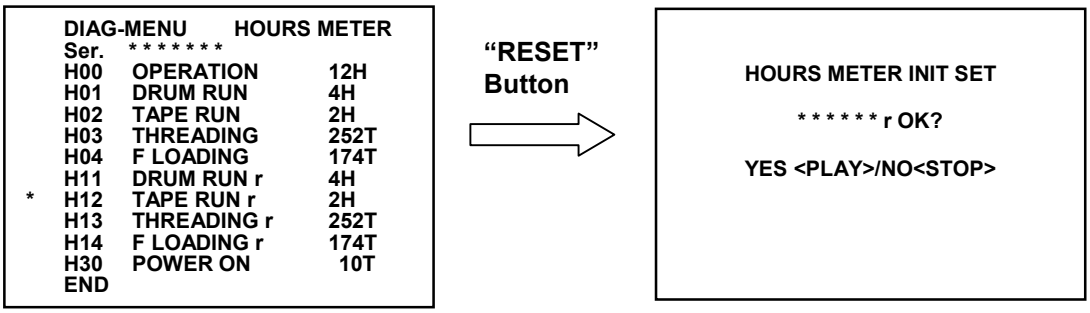


<Front Display>



7-3. Hours Meter Reset Procedure

1. Press the **"EJECT"** button on the Front Panel and simultaneously set the **"LOCAL/MENU/REMOTE"** switch on the Front Panel to the **"MENU"** position so that the **"HOURS METER"** displays on the monitor TV and Front Display.
2. The hours meter displays as shown below and then move the cursor **(*)** to the item with **"r"** to be reset.
3. Press the **"Reset"** button on the Front Panel so that the display changes as shown below.



4. When confirming the message **"* * * * * *r OK?"**, press the **"PLAY"** button on the Front Panel, the data (***H) for the item where the cursor is located will be reset.
5. When the **"LOCAL/MENU/REMOTE"** switch is set to the position except the **"MENU"**, the VTR returns to the normal screen and display.

8. Error Rate Display and Confirmation Method

8-1. On Track Error Rate Display Procedure

1. Turn off the VTR power and turn on Pin 2 of Dip switch (SW1) on the VOUT_SYS Board (F4).
2. Turn on the VTR power and set the "LOCAL/MENU/REMOTE" switch on the front panel to the "LOCAL" so that the VTR is in the Service Menu mode.
3. Connect a monitor to the Line Output so that the Service Menu can be confirmed.
4. Set "REC INHIBIT" on the front panel to "OFF".
5. Move the cursor (*) to the "RF ADJUST" by using the "UP" and "Down" Buttons, and then press the "MODE" button.
6. Move the cursor (*) to the "HDLP PB ADJUST" by using the "UP" and "Down" Buttons, and then press the "MODE" button.
7. Move the cursor (*) to the "ECC DISPLAY" by using the "UP" and "Down" Buttons, and then select "HEAD" and press the "MODE" button.
8. Move the cursor (*) to the "PB MODE" by using the "UP" and "Down" Buttons, and then select the HEAD to be displayed the error rate.
9. Each time when the "COUNTER" button on the front panel is pressed, the display mode will be changed. (Mode 1→Mode 2→Mode 3→ ---------- Mode 6→Mode 1)
10. The error rate display is cancelled when the" LOCAL/MENU/REMOTE" switch on the front panel is selected to the "LOCAL or REMOTE".

Display Mode		Segment Indication	Audio Indication			Indication Example		Indication Error Rate
			CH1	CH2	dB Indication			
Mode 1	VIDEO L	Video L	OFF	OFF	LIT		▮▮▮▮▮▮▮▮▮▮	VIDEO L HSW-H Inner
							▮▮▮▮▮	VIDEO L HSW-L Inner
Mode 2	VIDEO R	Video r	LIT	LIT	LIT	CH1	▮▮▮▮▮▮▮▮▮▮	VIDEO L HSW-H Inner
						CH2	▮▮▮▮▮	VIDEO L HSW-L Inner
Mode 3	AUDIO1 L	Audio1 L	LIT	OFF	LIT	CH1	▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
							▮▮▮▮▮	AUDIO L HSW-L Inner
Mode 4	AUDIO1 R	Audio1 r	OFF	LIT	LIT		▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
						CH2	▮▮▮▮▮	AUDIO L HSW-L Inner
Mode 5	AUDIO2 L	Audio2 L	OFF	OFF	FLASH		▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
							▮▮▮▮▮	AUDIO L HSW-L Inner
Mode 6	AUDIO2 R	Audio2 r	LIT	LIT	FLASH	CH1	▮▮▮▮▮▮▮▮▮▮	AUDIO L HSW-H Inner
						CH2	▮▮▮▮▮	AUDIO L HSW-L Inner

Note: Since R Channel Head does not exist at the time of the “RP_L12” selection, the display in the mode 2, Mode 4 and Mode 6 is invalid.

Table 8-1-1

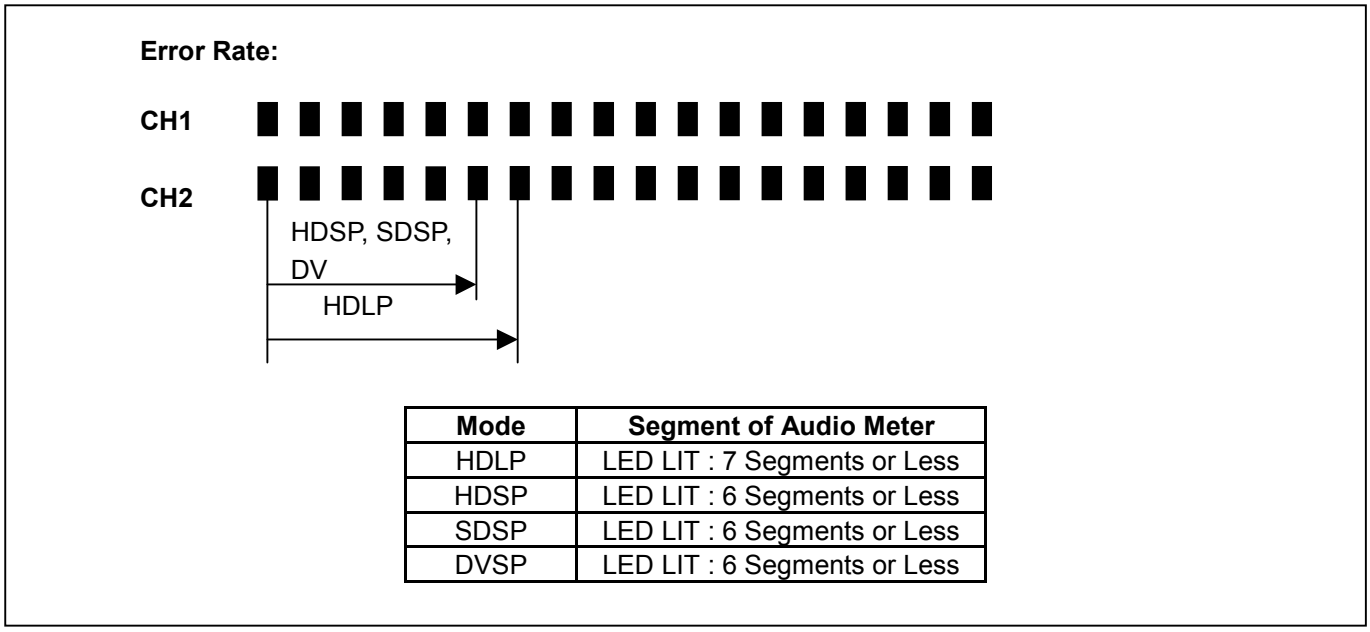
8-2. Non Track Error Rate Display Procedure (Total Error Rate/All Format)

1. Perform the steps 1 to 6 of “8-1. On Track Error Rate Display Procedure”.
2. Move the cursor **(*)** to the **“ECC DISPLAY”** by using the **“UP”** and **“Down”** Buttons, and then select **“NORMAL”** and press the **“MODE”** button.
3. The Video and Audio can be selected by pressing the **“COUNTER”** switch.
4. Each time when the **“COUNTER”** button on the front panel is pressed, the display mode will be changed from the mode 1 to 2 and 2 to 1.
5. The error rate value can be confirmed as shown figure 8-1-3.
6. The error rate display is cancelled when the” **LOCAL/MENU/REMOTE**” switch on the front panel is set to the **“LOCAL”** or **“REMOTE”**.

Display Mode		7 Segment Indication	Audio Indication			Indication Example		Indication Error Rate
			CH1	CH2	dB Indication			
Mode 1	VIDEO	Video	OFF	OFF	LIT		▮▮▮▮▮▮▮▮▮▮	VIDEO Lch Total
							▮▮▮▮▮	VIDEO Rch Total
Mode 2	AUDIO	Video r	LIT	LIT	LIT	CH1	▮▮▮▮▮▮▮▮▮▮	AUDIO Lch Total
						CH2	▮▮▮▮▮	AUDIO Rch Total

Table 8-1-2

8-3. Error Rate Display on Audio Level Meter



Mode	Segment of Audio Meter
HDLP	LED LIT : 7 Segments or Less
HDSP	LED LIT : 6 Segments or Less
SDSP	LED LIT : 6 Segments or Less
DVSP	LED LIT : 6 Segments or Less

Figure 8-1-3

9. SOFTWARE VERSION UPGRADE METHOD

This VTR uses built-in Flash ROM Microcomputers (CPU) and FPGA, CPLD IC's.
At the time of a version upgrade, use the version up tool, cables and software as shown in table 9-1.

Board	IC Type	IC Name	Name of Manufacture	Version Up Tool	Version Up Software	Version Up Procedure
REC/PB	CPU (FLASH)	AV/DV	Mitsubishi	VFK1304A	VFK1248M or higher	9-1-2
	FPGA (PLD)	REC/PB	ALTERA	VFK1304A	VFK1248M or higher	9-1-3
	PLD	REC/PB	LATTICE	VFK1590	*ispVM	9-2-3
V_OUT/SYS	CPU (FLASH)	SYS/IF	MITUBISHI	VFK1304A	VFK1248M or higher	9-1-2
	FPGA (PLD)	VOUT	XILNX	VFK1304A	VFK1248M or higher	9-1-3
SERVO	CPU (FLASH)	SERVO	Panasonic	VFK1304A	VFK1248M or higher	9-1-2
	PLD	SERVO	XILINX	VFK1590	*iMPACK	9-2-4
APROC	FPGA (PLD)	APROC	ALTERA	VFK1590	*Max Plus II	9-2-2
1394 IF (AJ-YAD120AG)	CPU (FLASH)	DIF	Mitsubishi	VFK1304A	VFK1248M or higher	9-1-2
	FPGA (PLD)	1394 IF	XILINX	VFK1590	VFK1879	9-2-5
SGEN/SDI (AJ-YA120AG)	FPGA (PLD)	SDI	ALTERA	VFK1590	*Max Plus II	9-2-2
UDC(IP_CONV) (AJ-YA120AG)	FPGA (PLD)	UDC	ALTERA	VFK1590	*Max Plus II	9-2-2

<Note> 1. The Version Up Software name with (*) should be downloaded from the manufacture's Web site.

Table 9-1

9-1. Flash ROM (Microcomputer) and PLD Version Upgrade by Flash Memory Version Up Tool (VFK1304A)

<Note>

This software will not function using Windows XP, 2000, or ME. You must use either Windows 95® or Windows 98® software to operate this Flash Memory Version Upgrade.

9-1-1. Preparations for the Version Upgrade

1. Items required for flash memory writing

Version Upgrade Software .....**VFK1248M or higher**

VFK1248M consist of 4 type of software as shown below.

- · VSI2312M.exe
- · f_servo.obf
- · FW103u.exe
- · Setting.ini

Personal Computer : WINDOWS95/98

RS-232C Cable (D-sub 25pin-25 pin cross cable or D-sub 9 pin-25 pin cross cable)

Flash Memory Version Up Tool.....**VFK1304A**

2. Switch setting of the flash memory version upgrade jig

Confirm that the switch settings for the "flash memory version up tool (VFK1304A)" are as shown below.

SW1-1: ON **SW1-3: OFF**
SW1-2: ON **SW1-4: OFF**

3. Connection

1. Connect the Flash Memory Version Up Tool (VFK1304A) with Personal Computer (MS-DOS, Windows 95® or 98®) by RS-232C cross cable as shown in figure 9-1A-1.
2. Connect the flexible cable from the Flash Memory Version Up Tool to the connector on the board to be version upgraded as shown in figures 9-1A-1 and 9-1A-3.
3. Turn on the VTR power and Personal Computer power.
4. Copy the Program Data software as shown table 9-1A-2 into the personal computer.

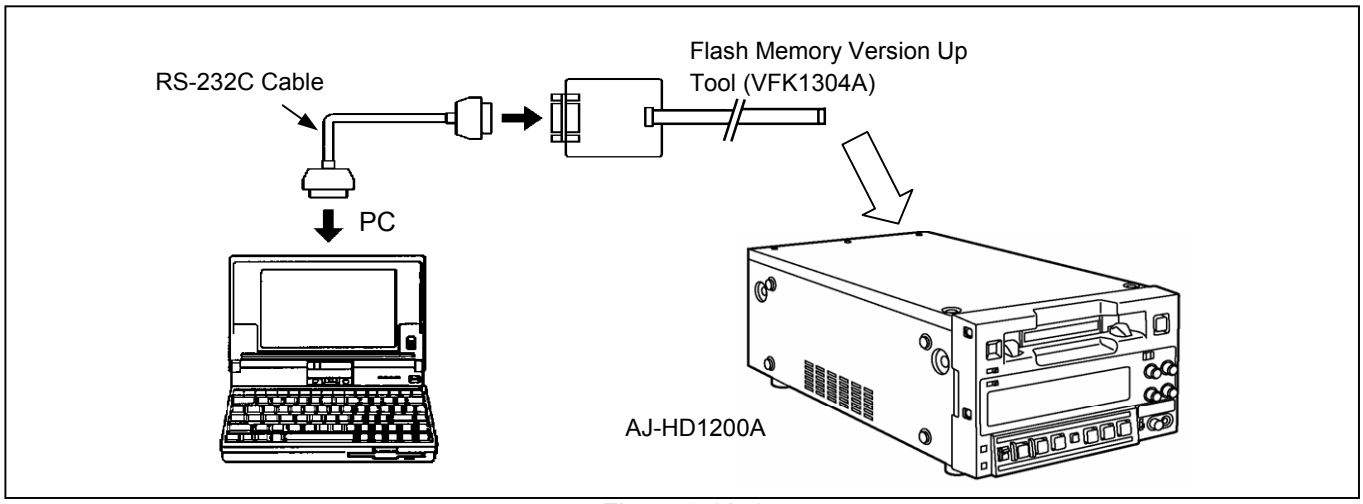


Figure 9-1A-1

No	Board [Slot No.]	IC Name (Type)	Ref. No.	Connector	Part No. For Program Software [Version/Check Sum]
1	REC_PB [F3]	AV_DV Microcomputer (Flash)	IC652	P651	VVVSI4335A [Ver. 1.36 / CAOE]
		REC_PB (A), (PLD)	IC53, IC300		VVVSI4284D
2	VOUT/SYS [F4]	SYS_IF Microcomputer (Flash)	IC500	P501	VVVSI4336A [Ver. 1.27 / 8840]
		VOUT (PLD)	IC600		VVVSI4286D
3	SERVO [Under Mech] (RF_EQ:[F1])	SERVO Microcomputer (Flash)	IC302	P300 on SERVO Board or P3 on RF_EQ	VVVSI4281A [Ver. 1.21 / E970]
4	1394 IF [F3] (AJ-YAD120AG)	1394 IF Microcomputer (Flash)	IC50	P2	VVVSI4282D [Ver. 1.32 / 0677]

* The part number for latest program software can be confirmed by the Web site.

Table 9-1A-2

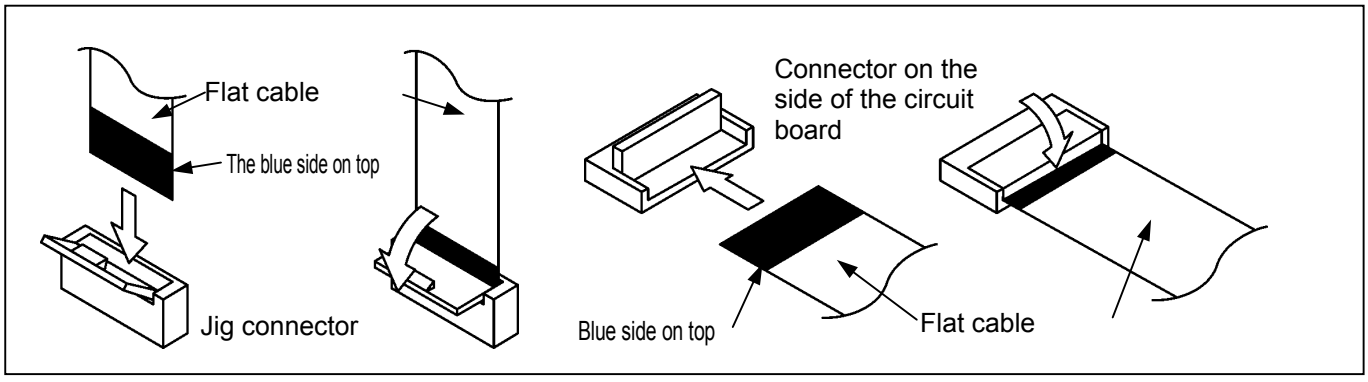
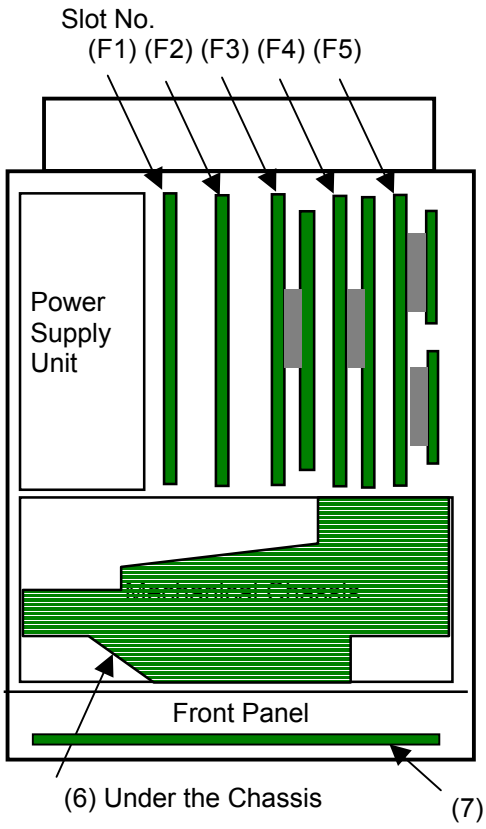


Figure 9-1A-3

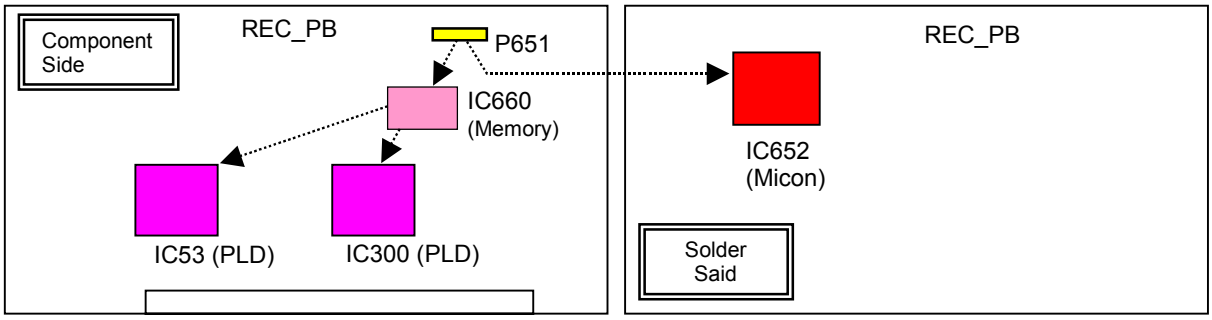
<BOARD LOCATION>



(F1) RF/EQ Board
(F2) A_PROC Board
(F3) REC_PB Board
1394 IF Board
(F4) UDC Board
V_OUT/SYS Board
(F5) SGEN/SDI Board
SDI TX Board,
SDI RX Board
(6) SERVO Board
(7) FRONT Board

Figure 9-1A-4

(F3-1) REC_PB BOARD



1. : Communication Connector.
2. : Built-in Flash ROM Microcomputer.
3. : Data Memory IC.
   (Memory data is transmitted to the IC's ( ), when turn on the VTR power.)
4. : FPGA IC.
5. After replacing the IC ( ) or ( ), the program software should be written.
6. After replacing the microcomputer ( ), the program writing is not necessary.

Figure 9-1A-5

(F3-2) 1394 IF BOARD

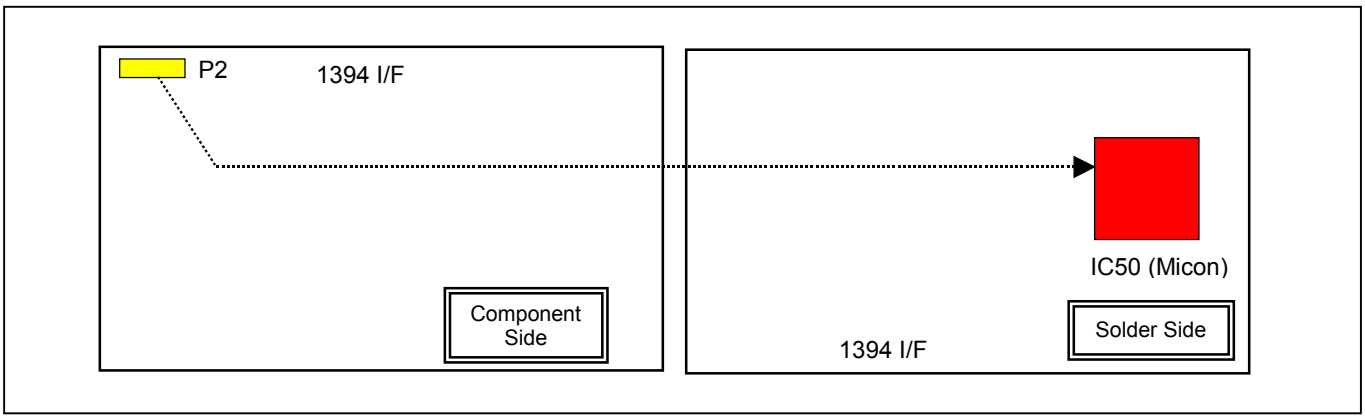
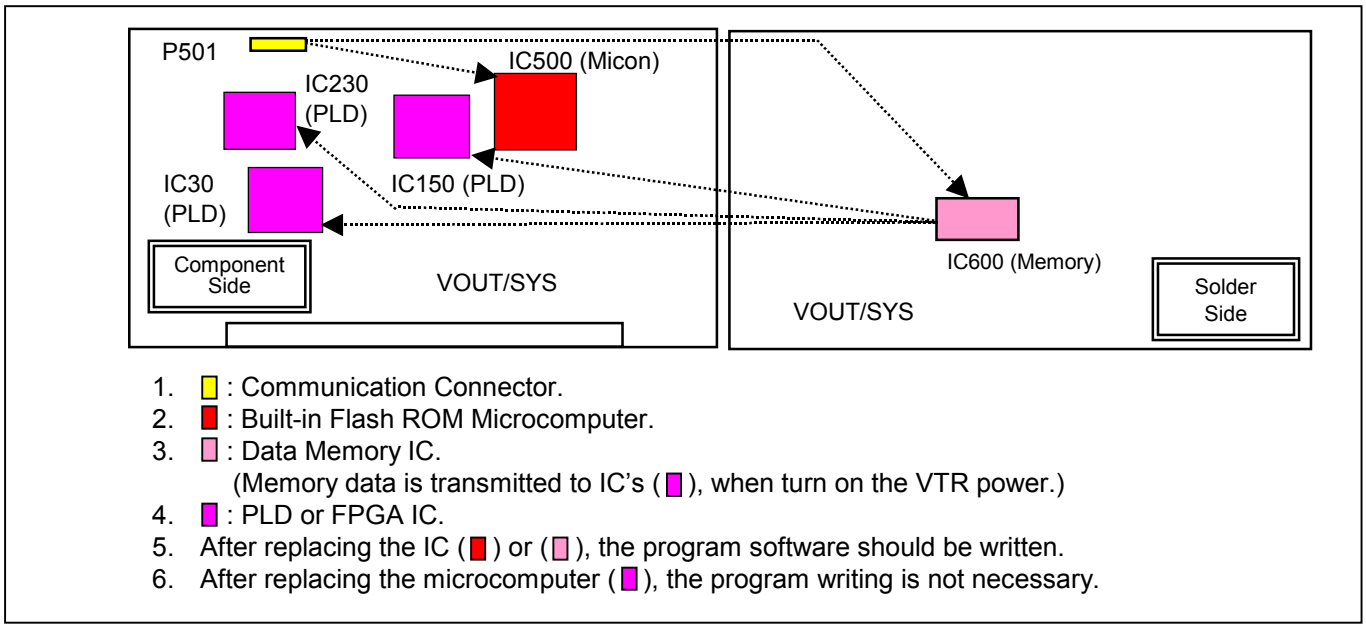


Figure 9-1A-6

(F4) VOUT/SYS BOARD



1. : Communication Connector.
2. : Built-in Flash ROM Microcomputer.
3. : Data Memory IC.
   (Memory data is transmitted to IC's ( ), when turn on the VTR power.)
4. : PLD or FPGA IC.
5. After replacing the IC ( ) or ( ), the program software should be written.
6. After replacing the microcomputer ( ), the program writing is not necessary.

Figure 9-1A-7

(6) SERVO BOARD

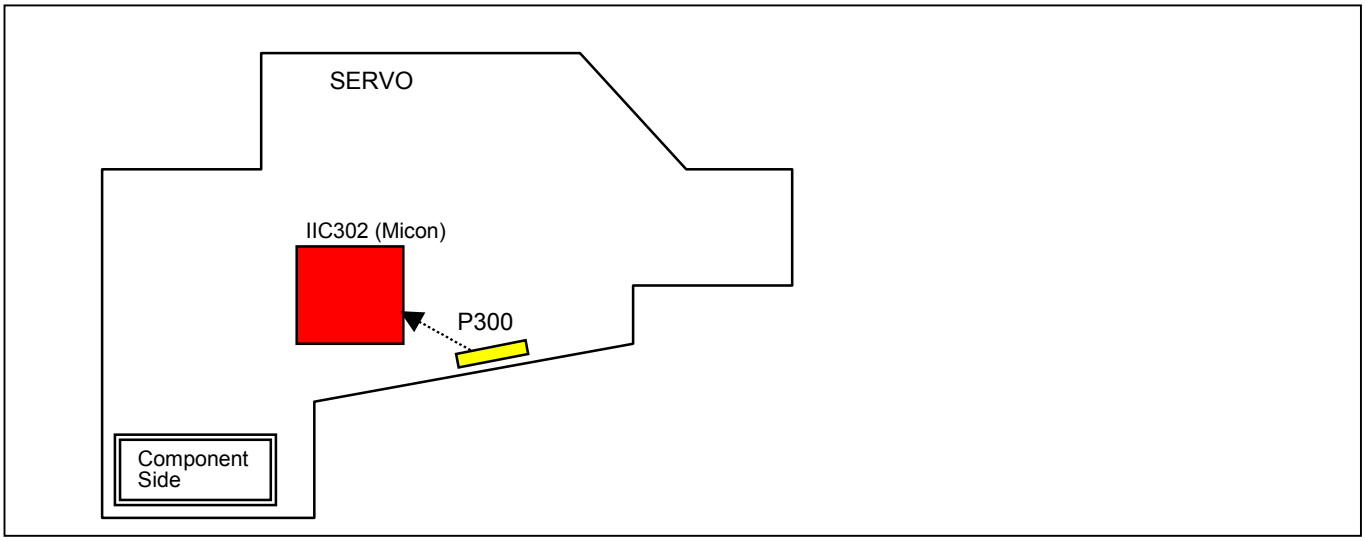


Figure 9-1A-8

9-1-2. Microcomputer Flash ROM Version Upgrade Procedure (1)

<AV_DV, SYS_IF and 1394 IF Microcomputer>

1. Copy the program software for the AV_DV, SYS_IF and 1394 IF as shown in the table 9-1A-2 into the personal computer.
2. Turn on the VTR power.
3. Execute the VSI2312M. exe so that the following screen appears.
4. Select the CPU (Microcomputer) sheet as shown in figure 9-1B-1.

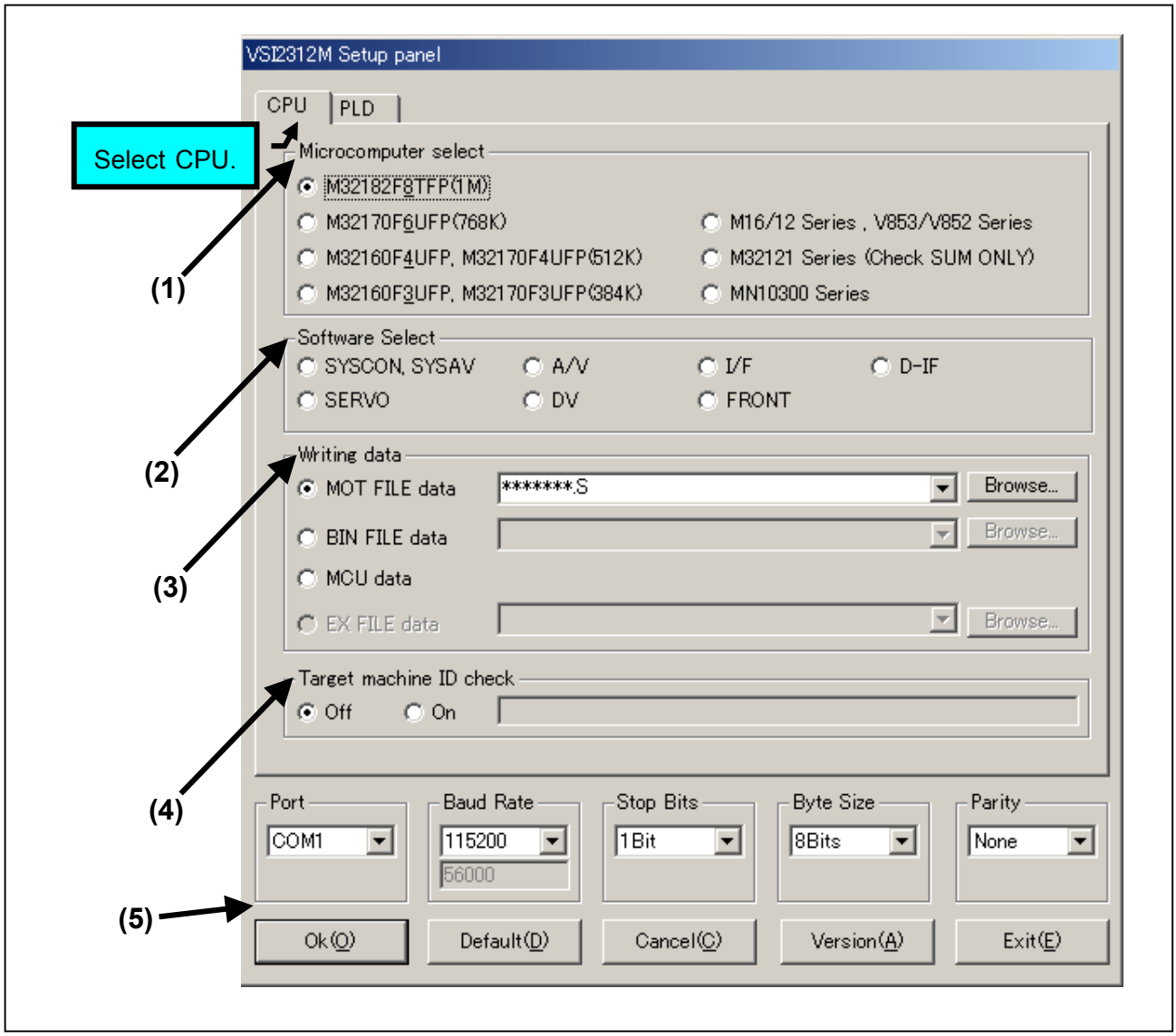


Figure 9-1B-1

5. Select the each item on the Setup Panel as shown in the table 9-1-10.

Board Name (Slot No.)	**(1) Microcomputer Select**	**(2) Software Select**	**(3) Writing data**		**(4) Target machine ID check**
			FILE data	FILE Extension	
REC_PB Board AV_DV (F3)	M32182F8TFP(1M)	Don't select any one.	MOT	.mot or s	off
VOUT/SYS Board SYS_IF (F4)	M32182F8TFP(1M)		MOT	.mot or s	off
1394 IF Board DIF (F3)	M32170F4UFP(512K)		MOT	.mot	off

(5) Setting for PC	Port	COM1	Baud Rate	115200
	Stop Bits	1Bit	Byte size	8Bits
	Parity			

* The numbers (1) – (5) in the above tables show the number in figure 9-1B-1 (Setup Panel).

Table 9-1B-2

6. Press **"OK"** button so that the following screen appears and check sum is calculated.
7. Press **"Start"** button so that the software programming will start.

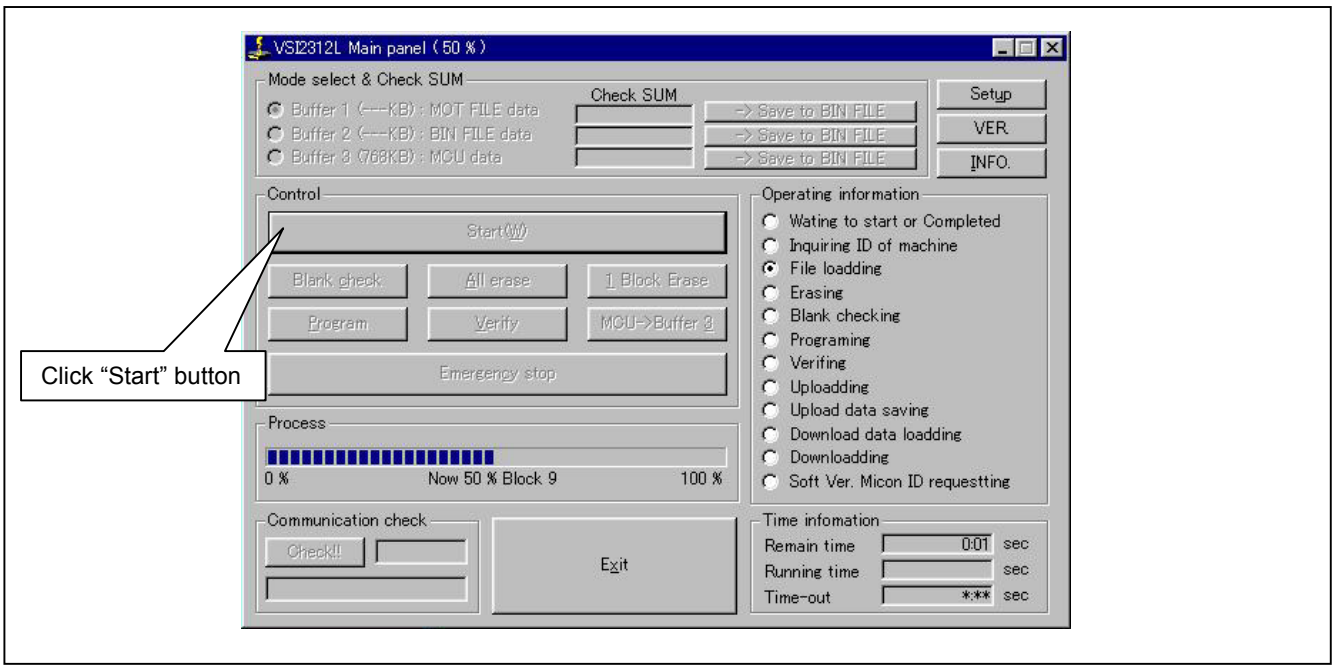


Figure 9-1B-3

8. Confirm the bar in the Process window reach to 100% that means the software programming complete as shown in figure 9-1B-4.

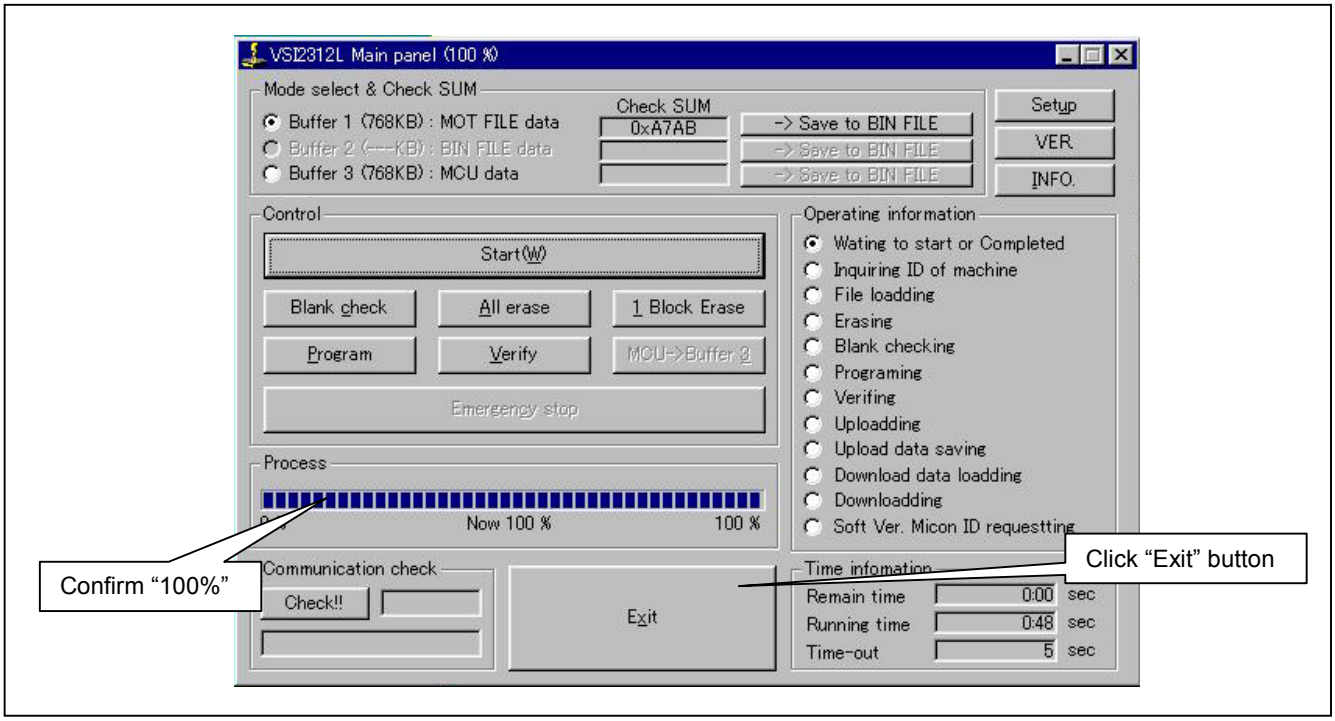


Figure 9-1B-4

9. Press **"Exit"** button to end the program.
   * If the error occurs during above process, repeat the process from step 8 again.
10. Turn the power of the VTR off and then on. This will reboot the VTR.
11. Confirm that software version is updated.

9-1-3. Microcomputer Flash ROM Version Upgrade Procedure (1)

< SERVO Microcomputer >

1. Copy the Servo program software as shown in table 9-1A-2 into the personal computer.
   For your reference, an extension of Servo program software is different from others such as AV_ DV, SYS_IF and 1394 IF.
2. Turn on the VTR power.
3. Execute the VSI2312M. exe so that the screen as shown in figure 9-1C-1 appears and then select the **"CPU"** sheet.

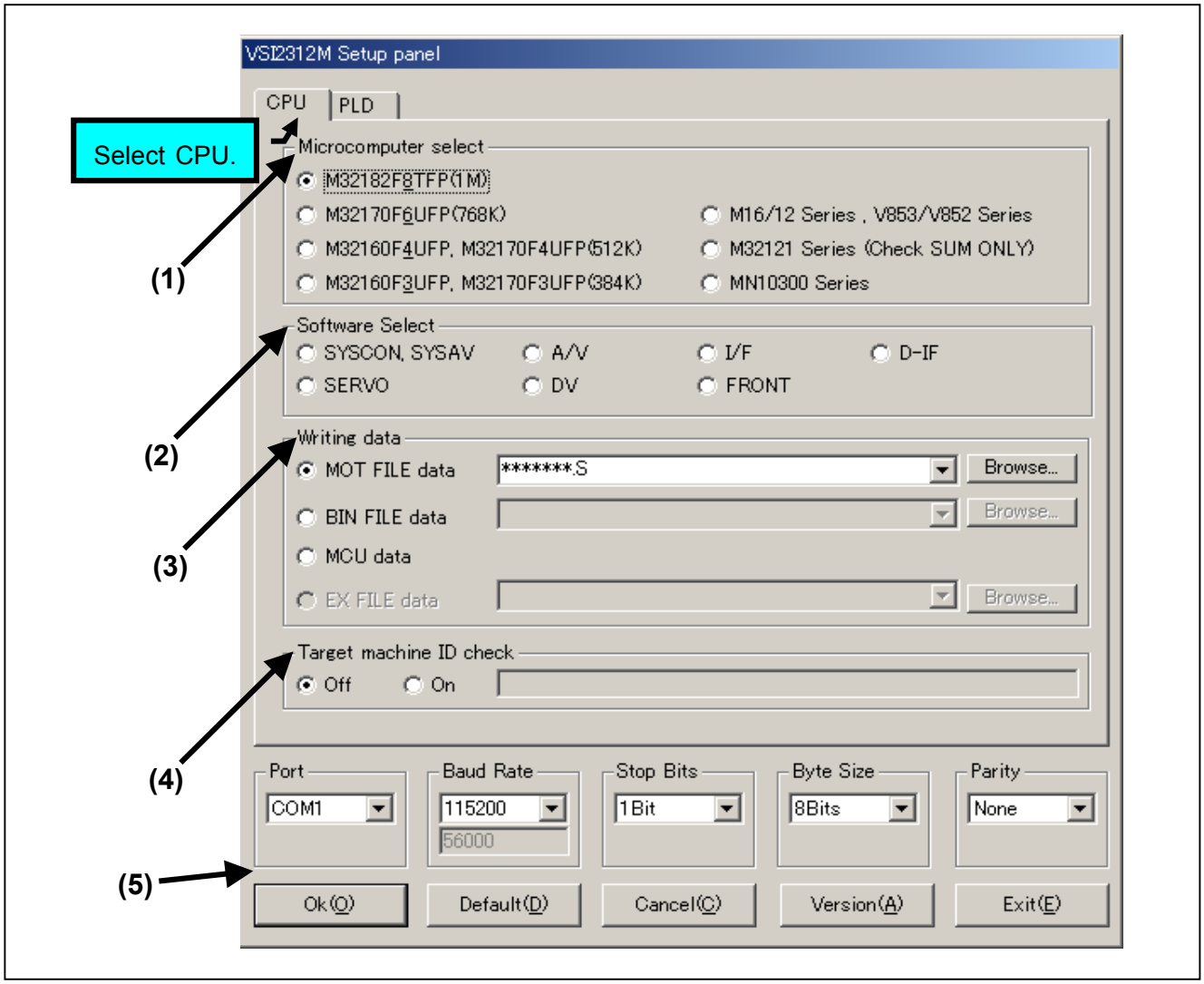


Figure 9-1C-1

4. Select the each item on the Setup Panel as shown in the table 9-1C-2.

Board Name **Name of Microcomputer**	**(1) Microcomputer Select**	**(2) Software Select**	**(3) Writing data**		**(4) Target machine ID check**
			FILE data	FILE Extension	
SERVO Board SERVO (Under Mech)	MN10300 Series	Don't select any one.	EX	.ex	off

(5) Setting for PC				
	Port	COM1	Baud Rate	115200
	Stop Bits	1Bit	Byte size	8Bits
	Parity	None		

* The numbers (1) – (5) in the above tables show the number in figure 9-1C-1 (Setup Panel).

Table 9-1C-2

5. Press **"OK"** button so that the following screen appears and Check sum is not calculated.

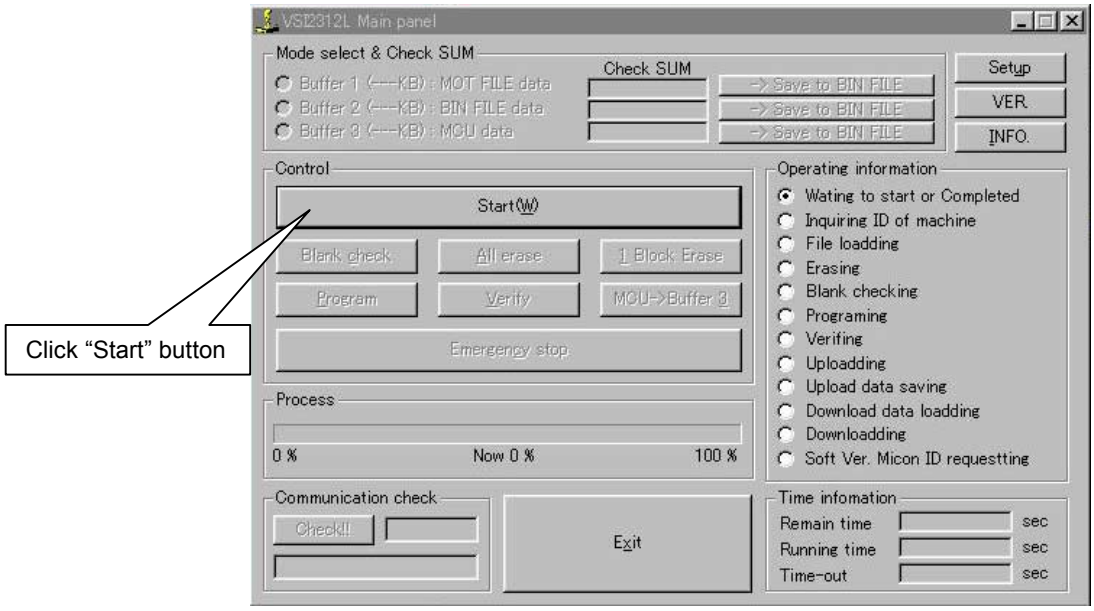


Figure 9-1C-3

6. Click **"Start"** button as shown in figure 9-1C-3 so that the following comment appears in the MS DOS screen.
   Do you continue? Y/N>

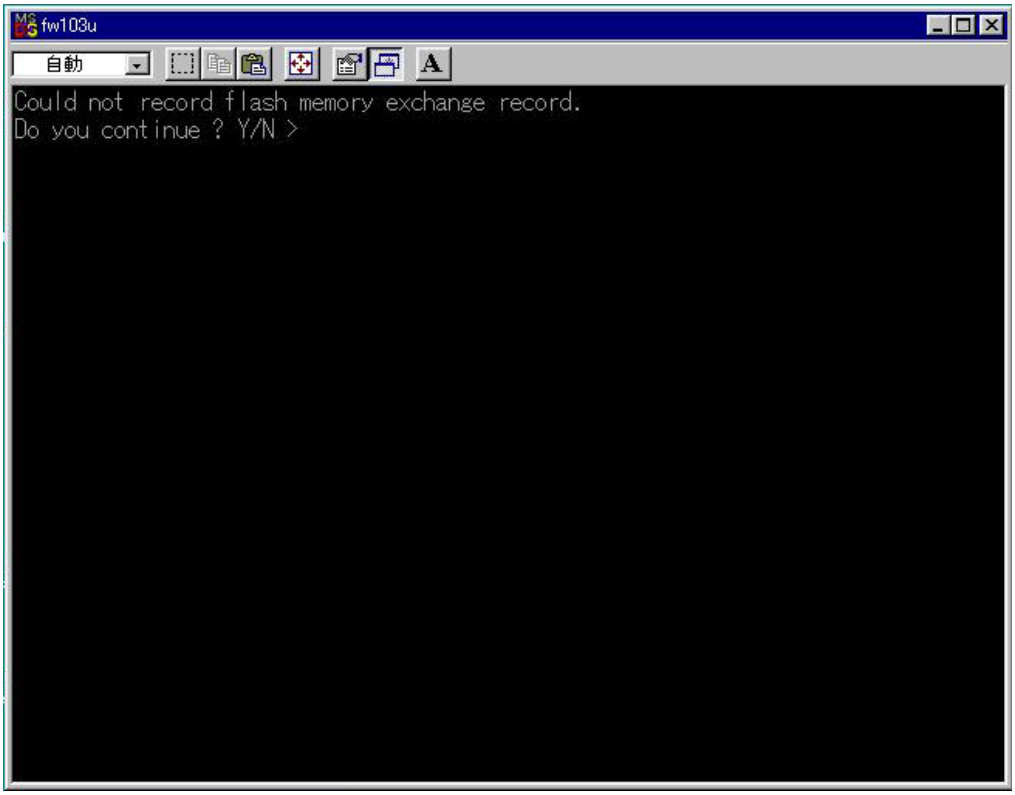


Figure 9-1C-4

7. Select **"Y"** and press **"Enter"**, then the program will start.

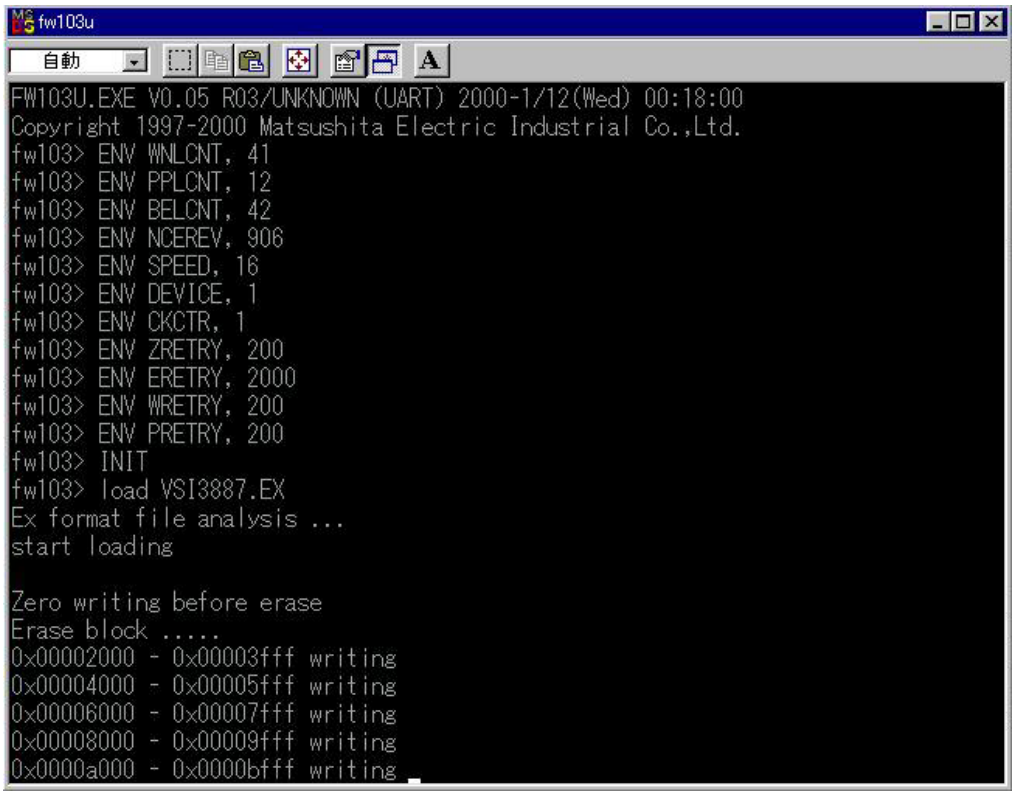


Figure 9-1C-5

8. The screen display of MS-DOS changes to Windows screen after the programming complete.
9. Press **"Exit"** button to end the program.
10. Turn the power of the VTR off and then on. This will reboot the VTR.
11. Confirm that software is updated.

9-1-4. PLD Version Upgrade Procedure

< REC_PB (A) and VOUT PLD >

1. Copy the program software for the REC_PB (A) and VOUT PLD as shown in the table 9-1A-2 into the personal computer.
2. Turn on the VTR power.
3. Execute the VSI2312M. exe so that the following screen appears.
4. Select the PLD sheet as shown in figure 9-1D-1.

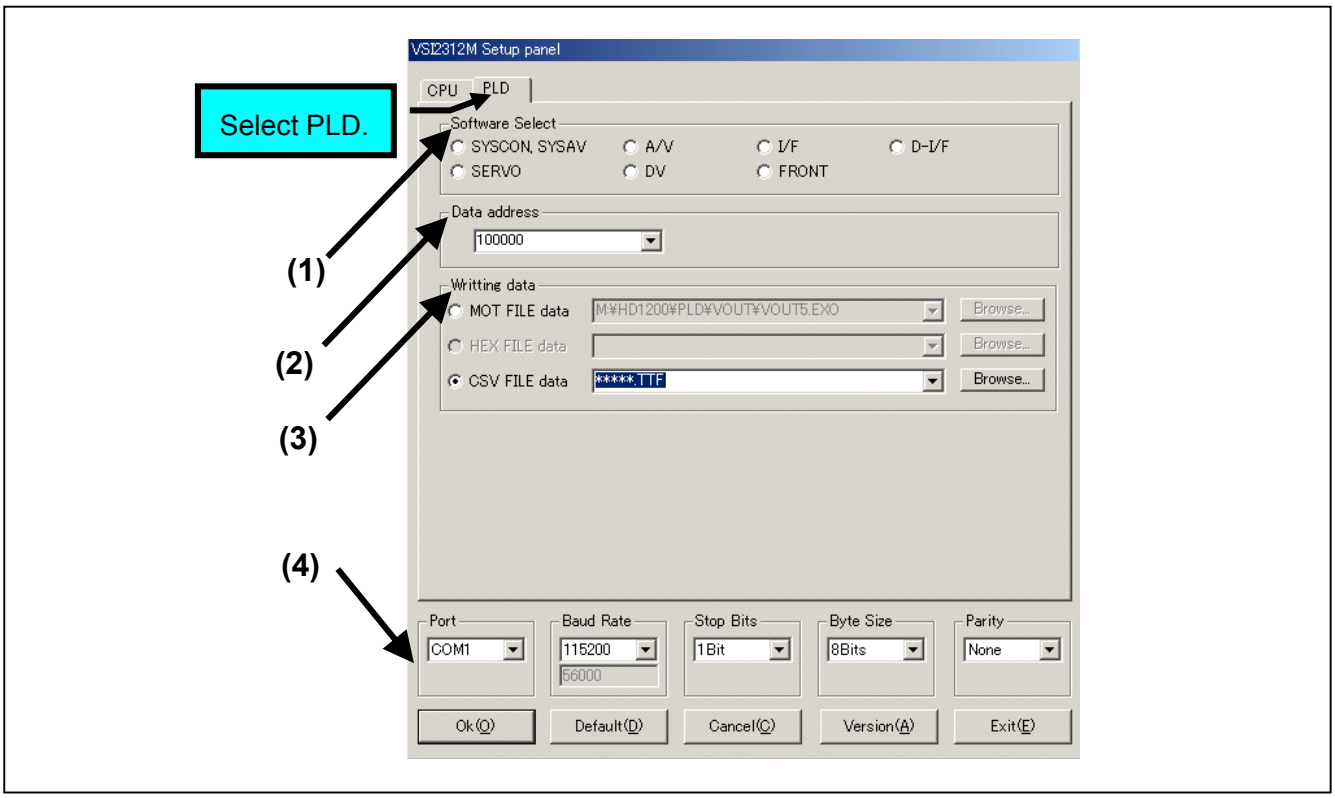


Figure 9-1D-1

5. Select the each item on the Setup Panel as shown table 9-1-19.

Boad Name **Name of Microcomputer** **(Slot No.)**	**(1) Microcomputer Select**	**(2) Software Select**	**(3) Writing data**	
			MOT FILE data	**CSV FILE data**
REC_PB Board AV/DV (F3)	Don't select any one.	100000	CSV	.ttf
VOUT/SYS Board SYS/IF (F4)		200000	MOT	.exo

(4) Setting for PC	Port	COM1	Baud Rate	115200
	Stop Bits	1Bit	Byte size	8Bits
	Parity	None		

* The numbers (1) – (4) in the above tables show the number in figure 9-1D-1 (Setup Panel).

Table 9-1D-2

6. Click **"OK"** button so that the following screen appears and check sum is calculated.
7. Click **"Start"** button so that the software programming will start.

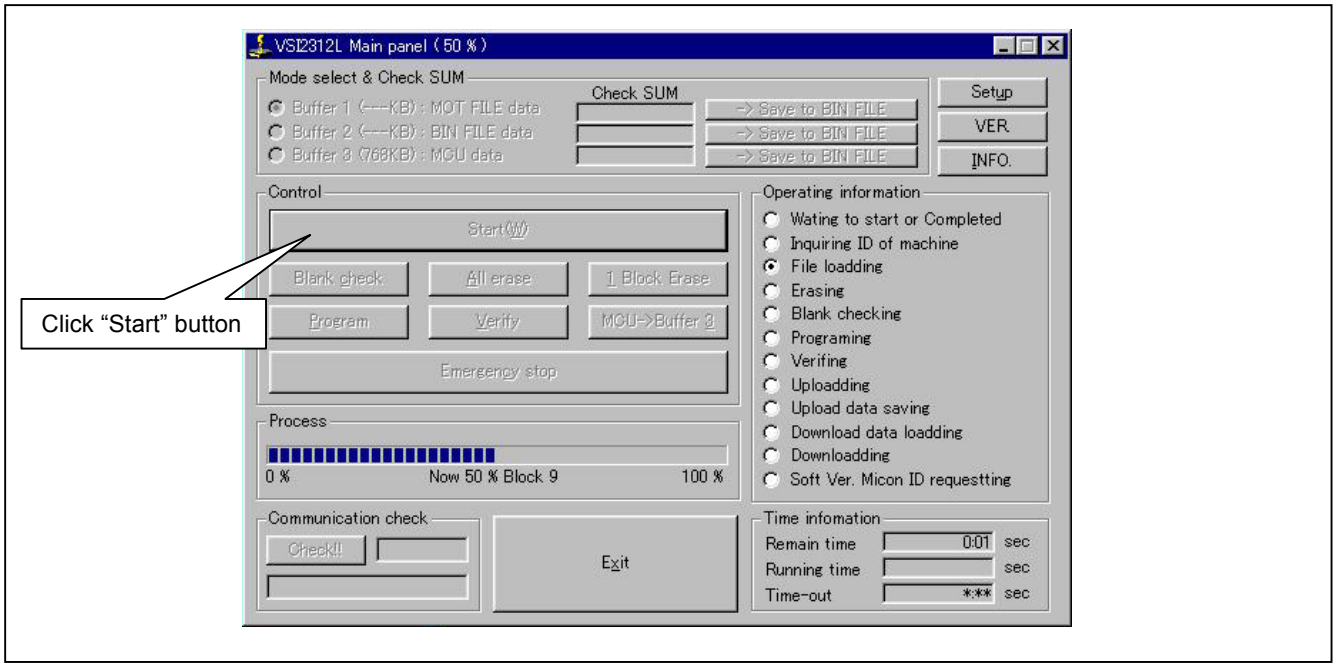


Figure 9-1D-3

8. Confirm the bar in the Process window reach to 100% that means the software programming complete as shown in figure 9-1D-4.

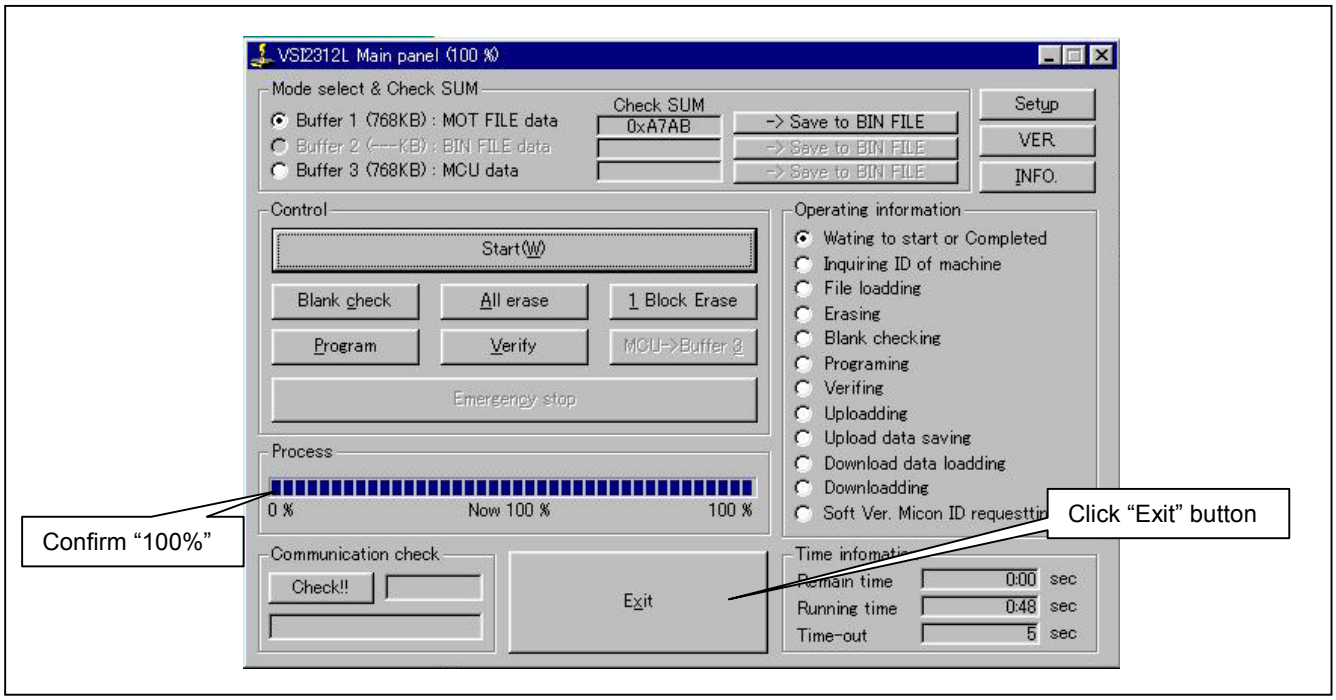


Figure 9-1D-4

9. Click **"Exit"** button to end the program.
   * If the error occurs during above process, repeat the process from step 8 again.
10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that the software version is updated.
12. Turn off the VTR power and remove the Flash memory version up tool and cables.

9-2. CPLD Version Upgrade by CPLD Writer (VFK1590)

9-2-1. Connection

1. Connect the D-sub cable between the CPLD writer and personal computer as shown in figure 9-2A-1. The reference number of D-sub connector can be referred by table 9-2A-2.
2. Connect the CPLD writer cable to the connector on the CPLD writer (VFK1590) as shown in figure 9-2A-1. The part number of cable and reference number of connector can be referred by table 9-2A-2.

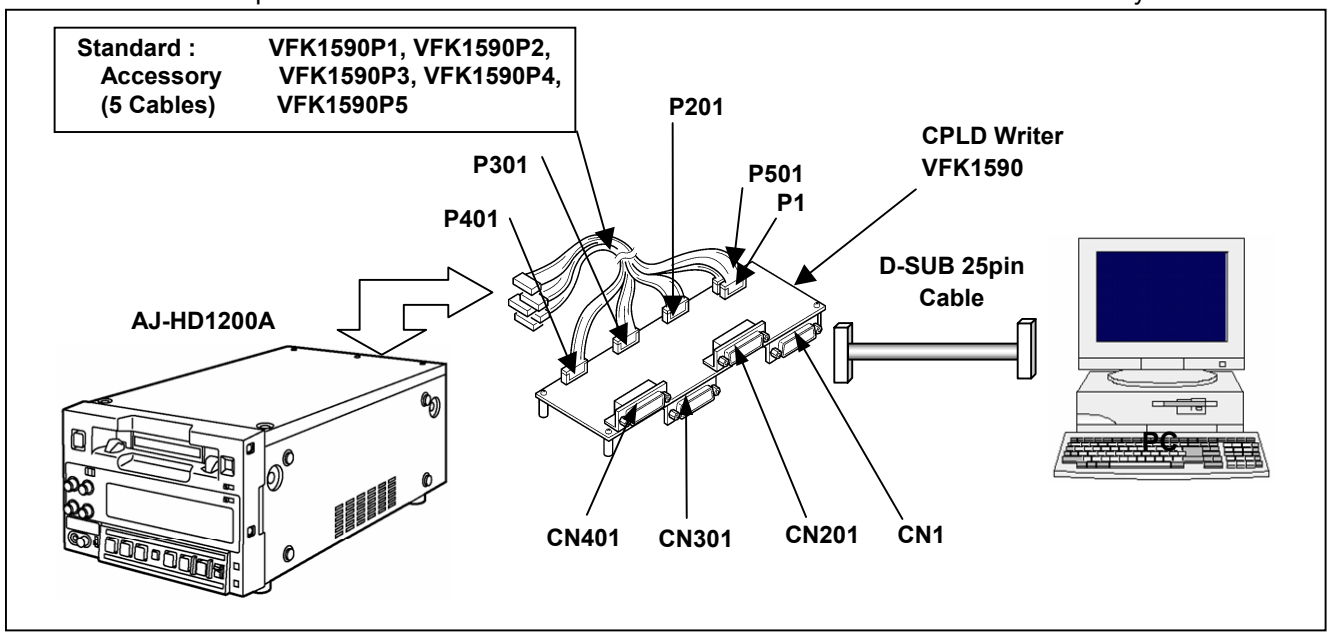


Figure 9-2A-1

IC Manufacture	Connection Between PC / CPLD Writer		Connection Between CPLD Writer / Board	
	Connection Cable	Connector Ref.	Connection Cable	Connector on CPLD Writer
VANTICE	D-SUB 25pin Straight Cable	CN1	VFK1590P1	P1
ALTERA		CN201	VFK1590P2	P201
LATTICE		CN301	VFK1590P3A	P301
XILINX		CN401	VFK1590P4	P401
PHILIPS		CN1	VFK1590P5	P501

* VFK1590P3A is not standard accessory of VFK1590.
▭ : The CPLD which has been used in this VTR.

Table 9-2A-2

3. Connect the PLD writer cable from the PLD writer to the connector on the Board to be upgraded as shown in the table 9-2A-3.
4. Turn on the VTR power and Personal Computer.

Board [Slot No.]	Name of IC	IC Manufacture	Writing Tool	Version Up Software
PROC [F2]	APROC PLD	ALTERA	VFK1590 (CPLD Writer)	Max+plus II
EC_PB [F3]	REC_PB(B) PLD	LATTICE		ispVM System
ERVO [Under Mech]	SERVO PLD	XILINX (1)		Webpack
GEN_SDI [F5] (Option: AJ-YA120AG)	SDI PLD	ALTERA		Max+plus II
DC [F5] (Option: AJ-YA120AG)	UDC PLD	ALTERA		Max+plus II
IF [F3] (Option: AJ-YAD120AG)	1394 PLD	XILINX (2)		VFK1879

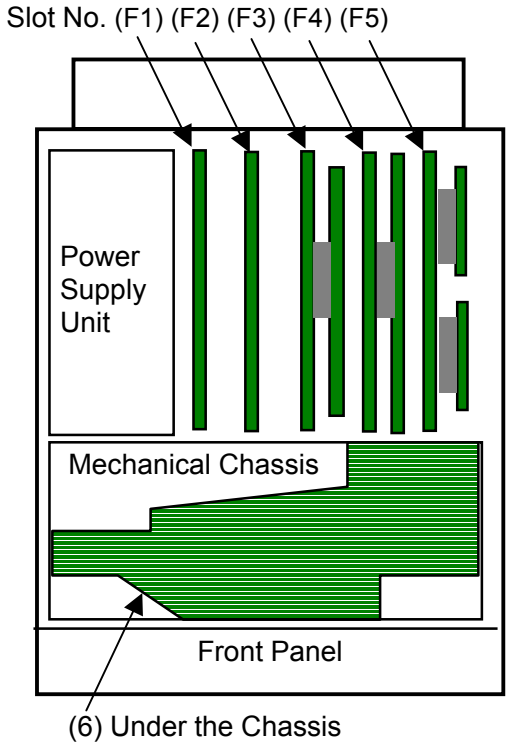
Table 9-2A-3

Board [Slot No.]	Name of PLD	Manufacture	IC Ref, No.	Ref. No.	Data Part No.
APROC [F2]	APROC PLD	ALTERA	IC7	P4002	VVVSI4283A
REC_PB [F3]	REC_PB(B) PLD	LATTICE	IC450, IC551, IC557	P3	VVVSI4285B
SERVO [Under Mech]	SERVO PLD	XILINX	IC350	P350	VVVSI4289A
SGEN_SDI [F5] (Option: AJ-YA120AG)	SDI PLD	ALTERA	IC613	P3	VVVSI4287B
UDC [F5] (Option: AJ-YA120AG)	UDC PLD	ALTERA	IC340, IC600	P700	VVVSI4241B
1394 IF [F3] (Option: AJ-YAD120AG)	1394 PLD	XILINX	IC503 (IC450,IC150)	P500	VVVSI4288C

* The part number of latest version of program software can be confirmed by the Web

Table 9-2A-4

<BOARD LOCATION>



(F1) RF/EQ Board

(F2) A_PROC Board

(F3) REC_PB Board
1394 IF Board (AJ-YAD120AG)

(F4) UDC Board (AJ-YA120AG)
V_OUT/SYS Board

(F5) SGEN/SDI Board (AJ-YA120AG)
SDI TX Board, SDI RX Board
(AJ-YA120AG)

(6) SERVO Board

Figure 9-2A-5

(F2) A PROC BOARD

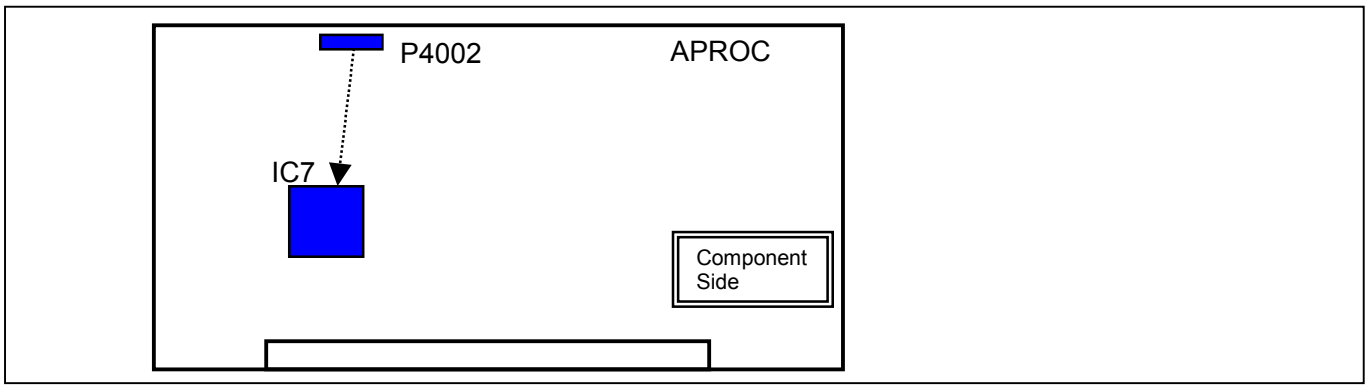


Figure 9-2A-6

(F3) REC PB BOARD

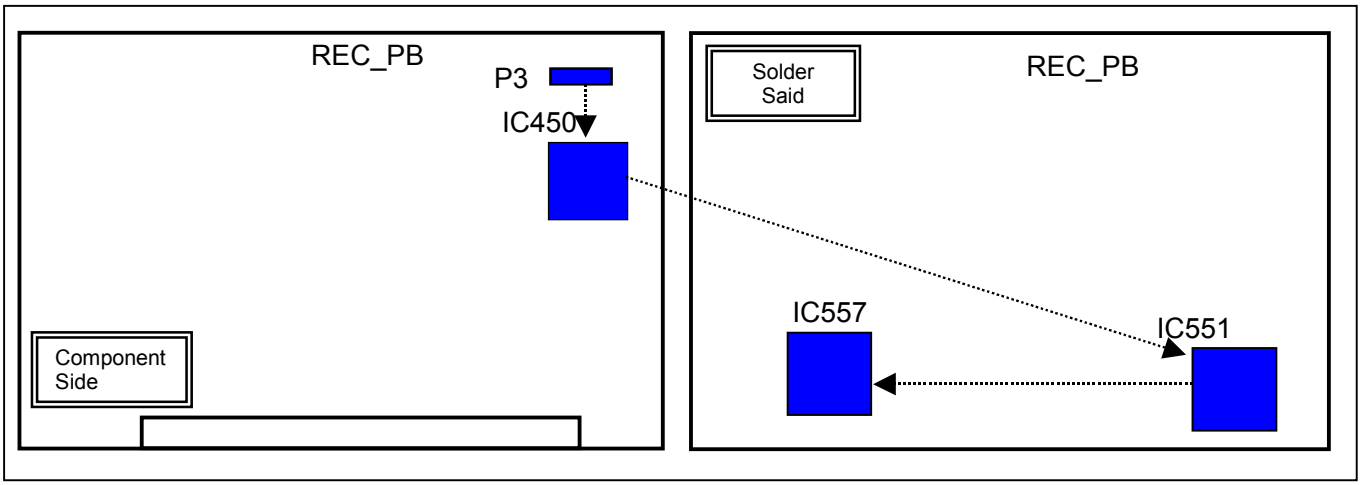


Figure 9-2A-7

(F3) 1394 IFBOARD

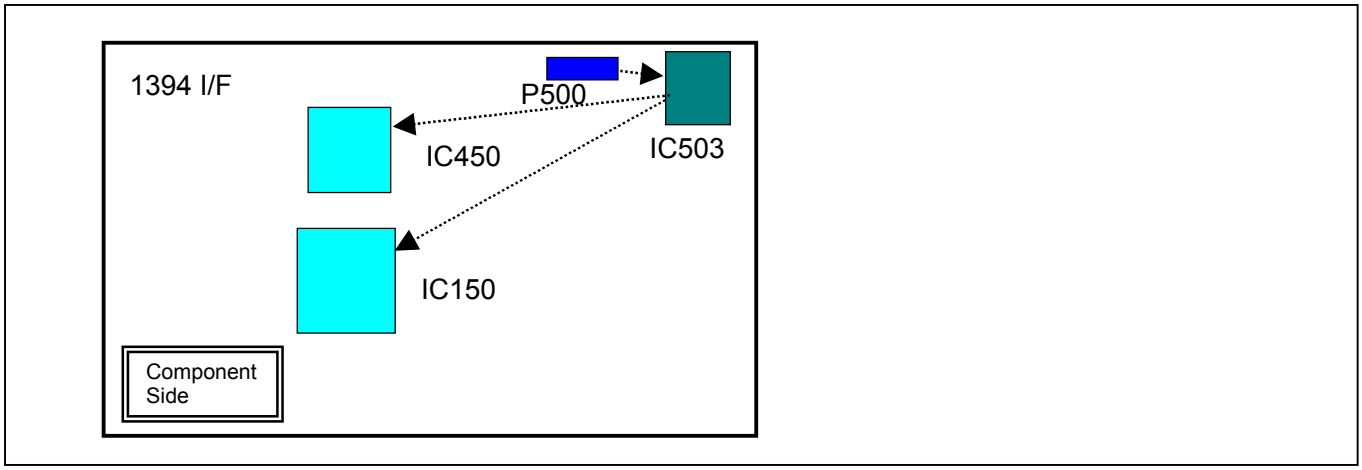


Figure 9-2A-8

(F4) UDCBOARD

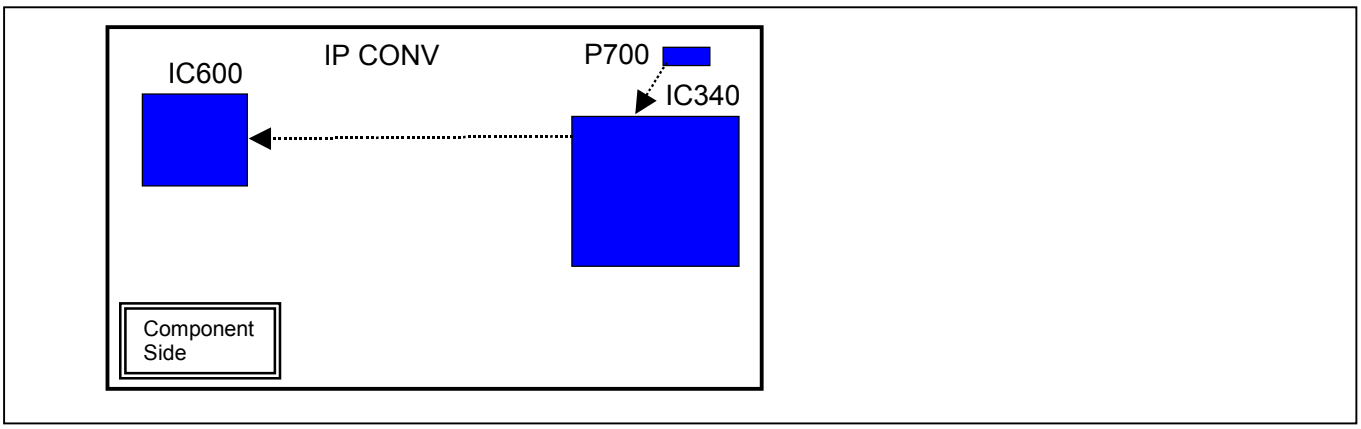


Figure 9-2A-9

(F5) SGEN SDI BOARD

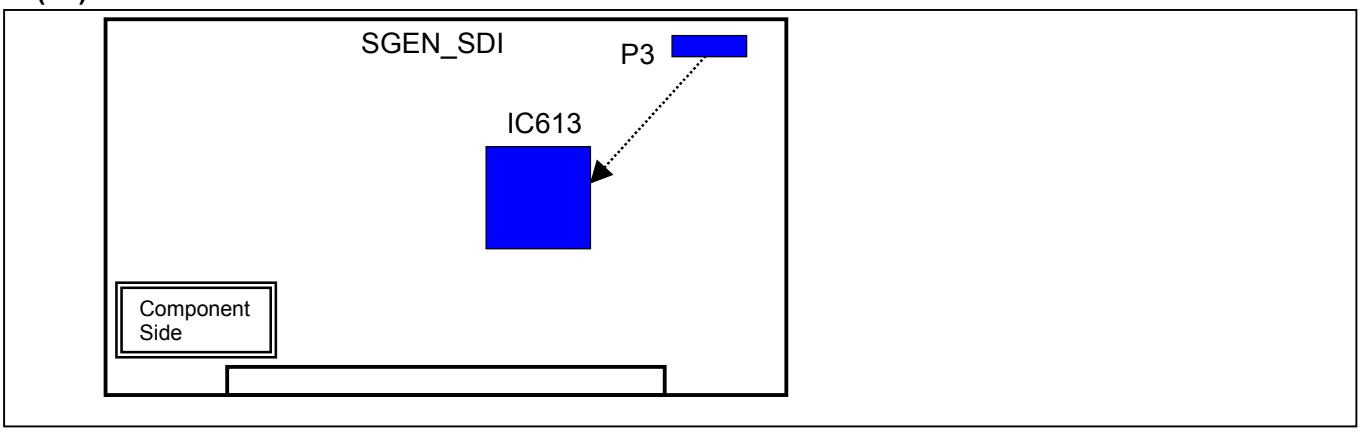


Figure 9-2A-10

(6) SERVO BOARD

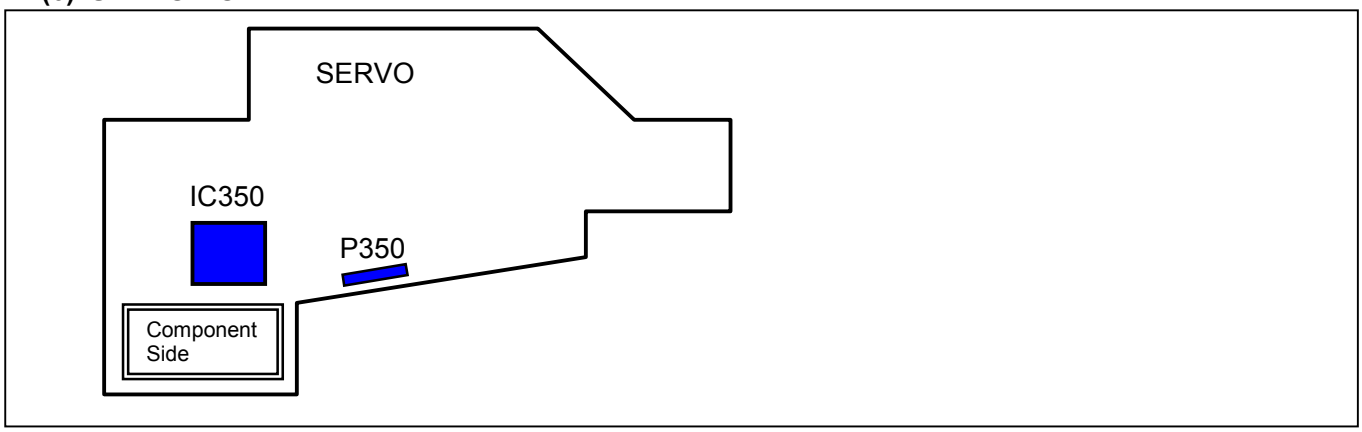


Figure 9-2A-11

9-2-2. CPLD Version Upgrade Method (ALTERA)
< APRO, SDI, UDC CPLD IS's>

A. Preparation

ITEM	REMARK
CPLD Writer	VFK1590 VFK1590P2 (Standard Accessory of VFK1590)
D-sub 25pin-25pin Cable	Straight (Mail-Female), Length: Within 1m
Version Upgrade Software	MAX+plus II Software ver9.6 or over ver9.6 (Please access to www.altera.com/support/software/download/sof-download_center.html)
File NAME	jcf File (Included in “vvvsi xxxx” file). (Copy all files of the VVVSI4283A, VVVSI4287B and VVVSI4241B which is included " .jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2B-1

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between the connector at the Board in the VTR as shown in table 9-2A-4 and connector of the CPLD writer as shown in table 9-2A-3.
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. up Software and Ver. up Procedure

1. Select "start button" on the Windows Screen and then "Program" and then boot up the "MAX+plus II *** programmer only" so that the following menu appears.
2. On main window, select tab "Assign" and then "Device" → "MAX700"(Device Family) →"AUTO".
3. Insert floppy disk (which is includes all files of the program software VVVSI*** as shown in table 9-2A-4) to floppy drive.

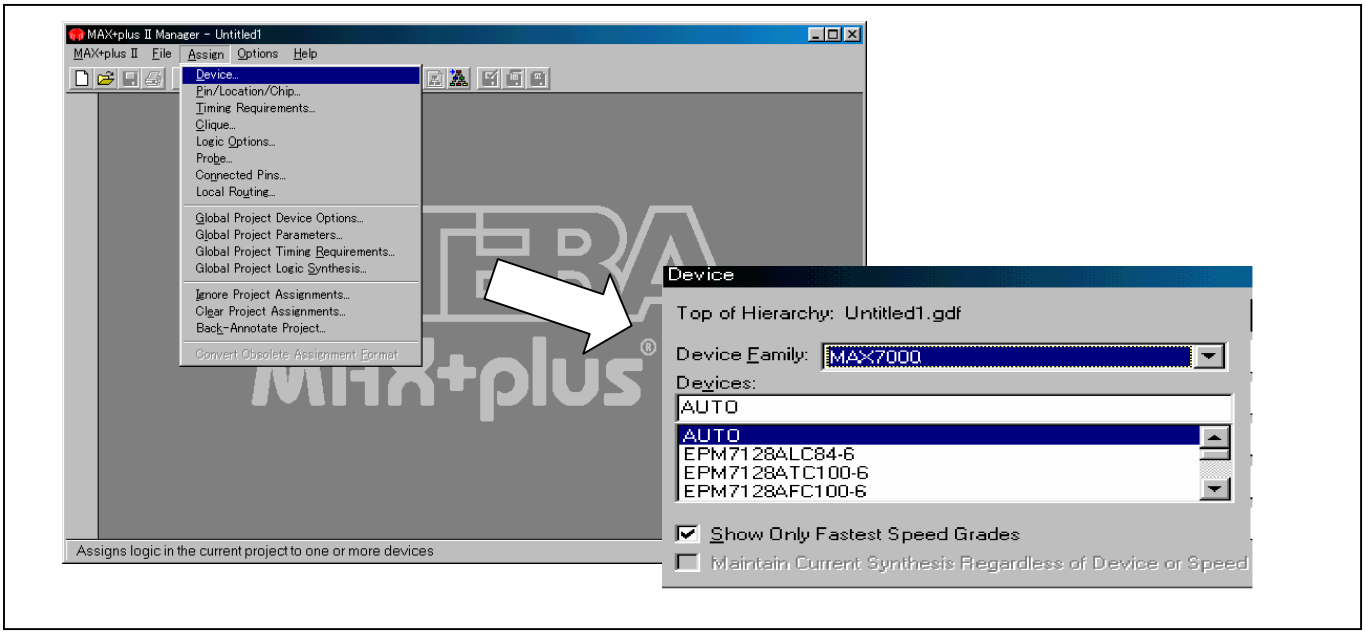


Figure 9-2B-2

4. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
5. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
6. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV) "**.

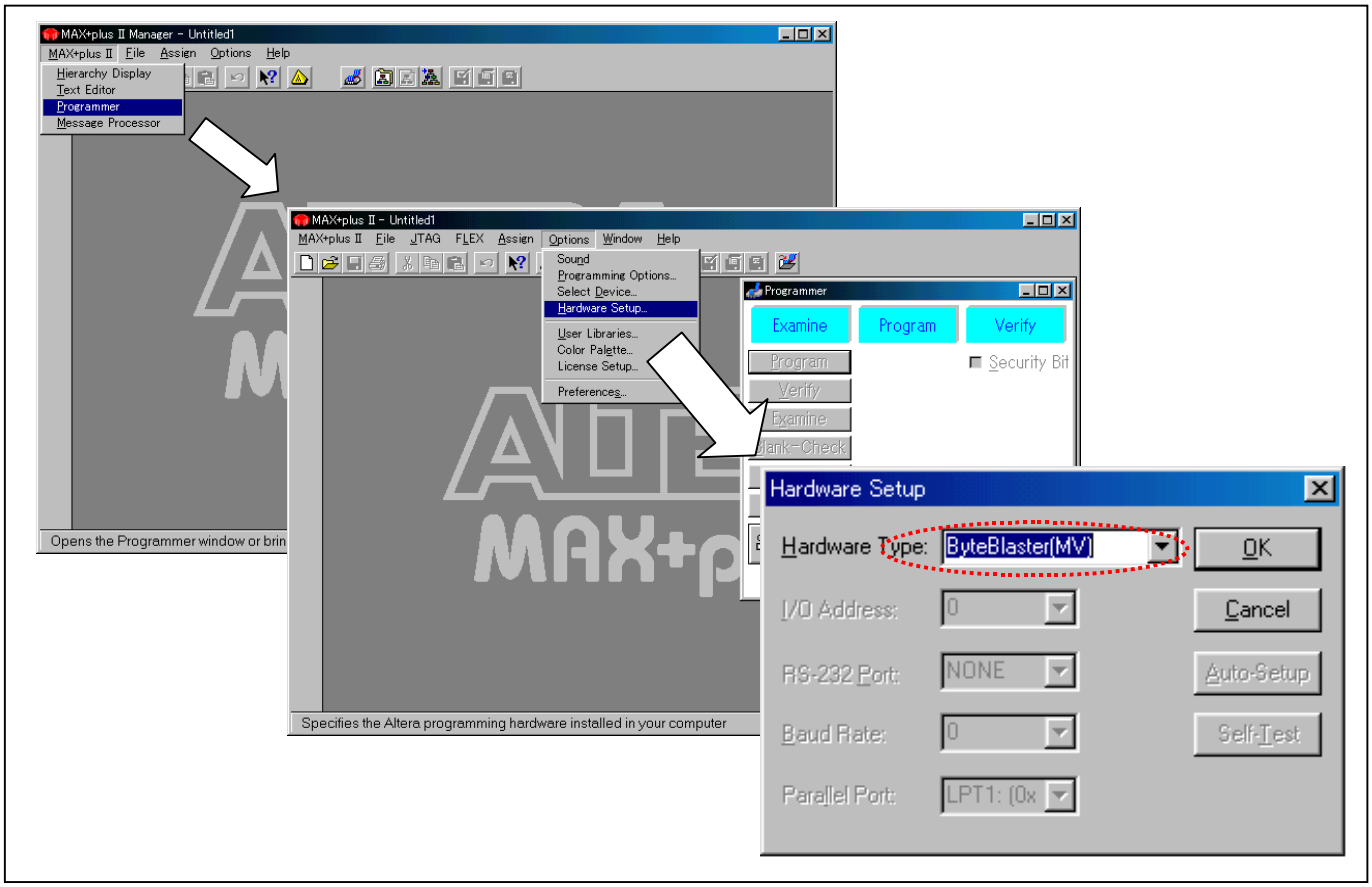


Figure 9-2B-3

7. On main window, select tab **"JTAG"**, and then select **"Restore JCF…"**
8. Select the floppy drive and then, select the **"jcf format file (.jcf) on dialog box of Restore JCF"** and then click **"OK"** button.

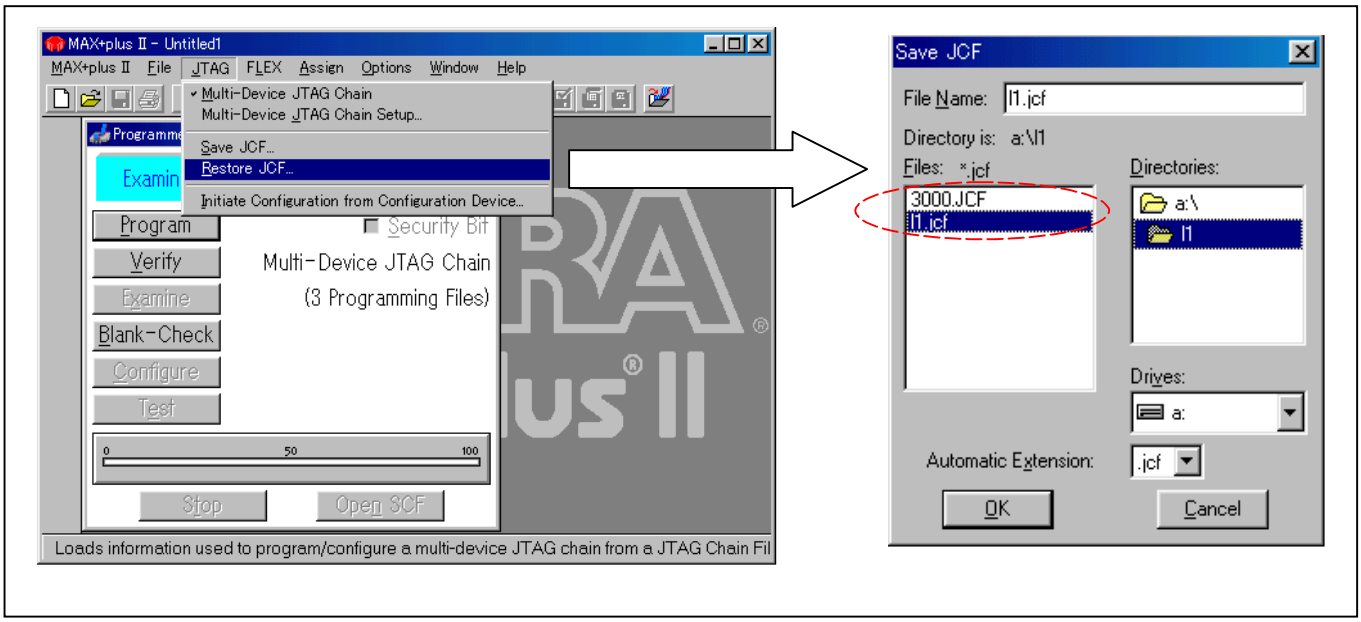


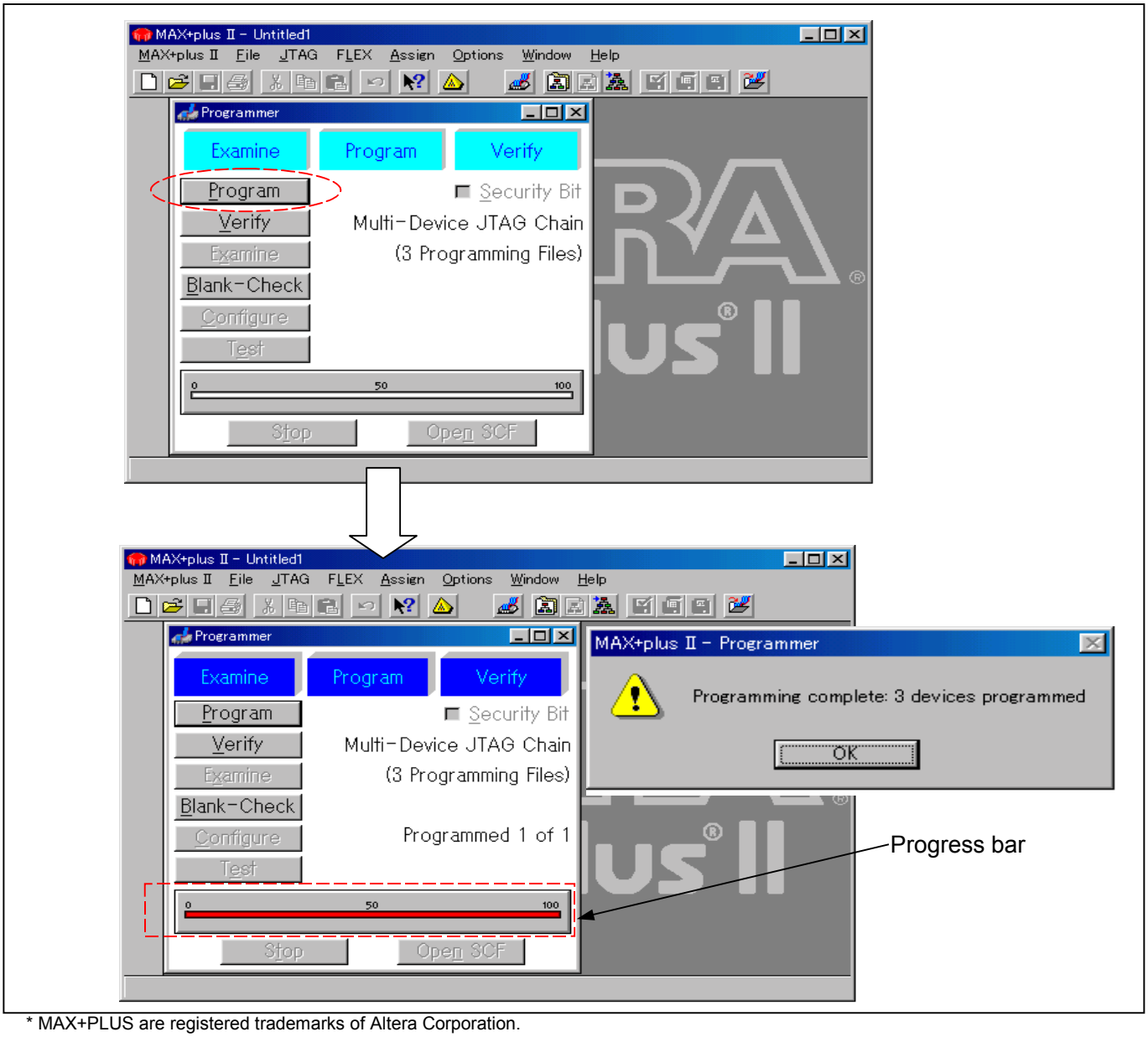
Figure 9-2B-4

9. If the following message appeared, Click **"Yes"** button.



Figure 9-2B-5

10. Click the **"Program"** button on Programmer dialog.
11. When Progress Bar reaches at point of **100**, the message "Programming Complete" appears, then PLD version upgrade is completed. Click **"OK"** button on the **Programming complete** message Dialog.
12. Confirm that PLD version of VTR is updated.



* MAX+PLUS are registered trademarks of Altera Corporation.

* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

Figure 9-2B-6

9-2-3. PLD Version Upgrade Method (LATTICE)

< REC_PB PLD IC>

A. Preparation

ITEM	REMARK
CPLD WRITER	VFK1590 VFK1590 VFK1590P3 (Not standard accessory of VFK1590)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	LSC ispVM System Software : http://www.latticesemi.com/search/browse_type.cfm?catid=131&ty=65 and select **"ispVM System 13.2 for PC"** in programming software portion in order to download it.
File NAME	jcf File (Included in "VVVSI 4285B" file). (Copy all files of VVVSI 4285B which is included " .jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2C-1

B. Connection

1. Connect the D-sub Cable between CN301 (for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port) as shown table 9-2A-2.
2. Connect the CPLD WRITER Cable (VFK1590P3A) between the connector at the Board in the VTR as shown in table 9-2A-2 and 9-2A-4.
   <Note> VFK1590P3A is not standard accessory of VFK1590.
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. up Software and Ver. up Procedure

1. Select **"start button"** on the Windows Screen and then **"Program",** and then boot up the **"LSCispVM System"** so that the following menu appears.
2. Insert floppy disk (which is includes all files of the program software VVVSI4285B as shown in table 9-2A-4) to floppy drive.
3. On main window, select tab **"File"** and then **"Open"** .
4. Open the program data file as shown table 9-2A-4.

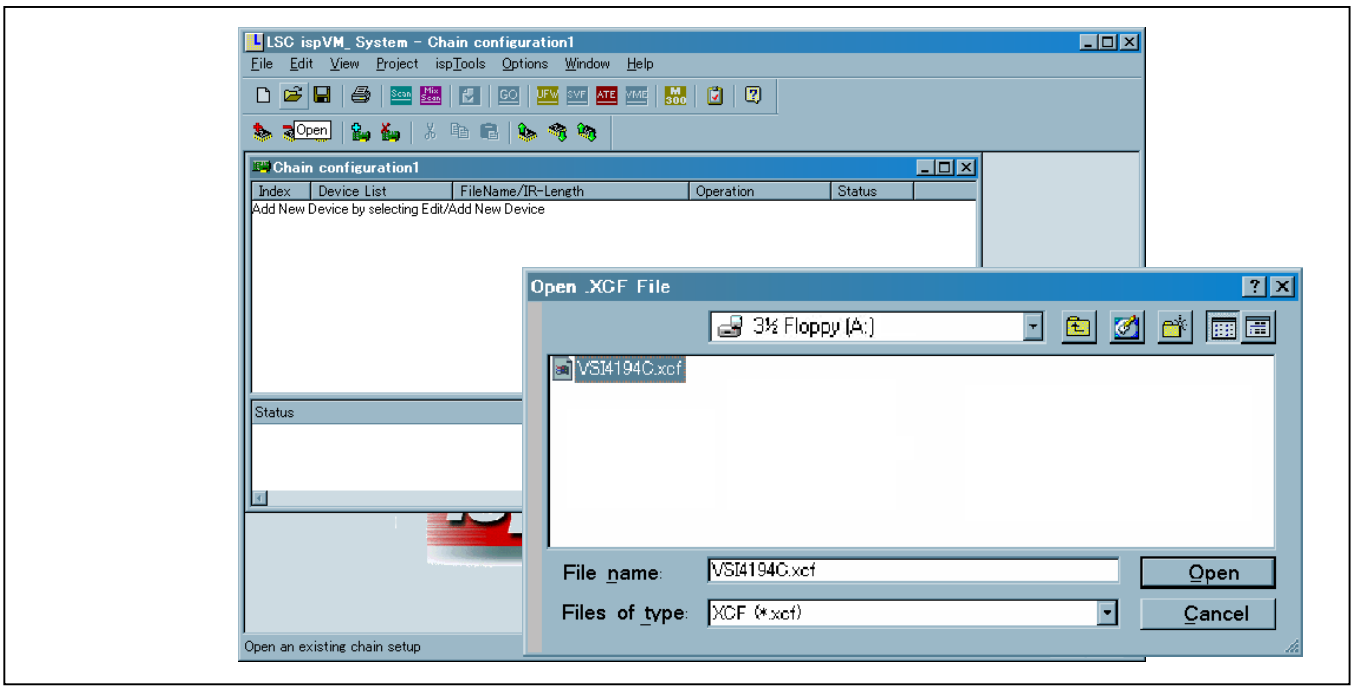


Figure 9-2C-2

5. On main windows, select **"Project"** and then **"Project Settings"** as shown in the figure below.
6. Make sure that the **"Sequential Program"** has been set at the first line. (Do not set "Turbo Program".)

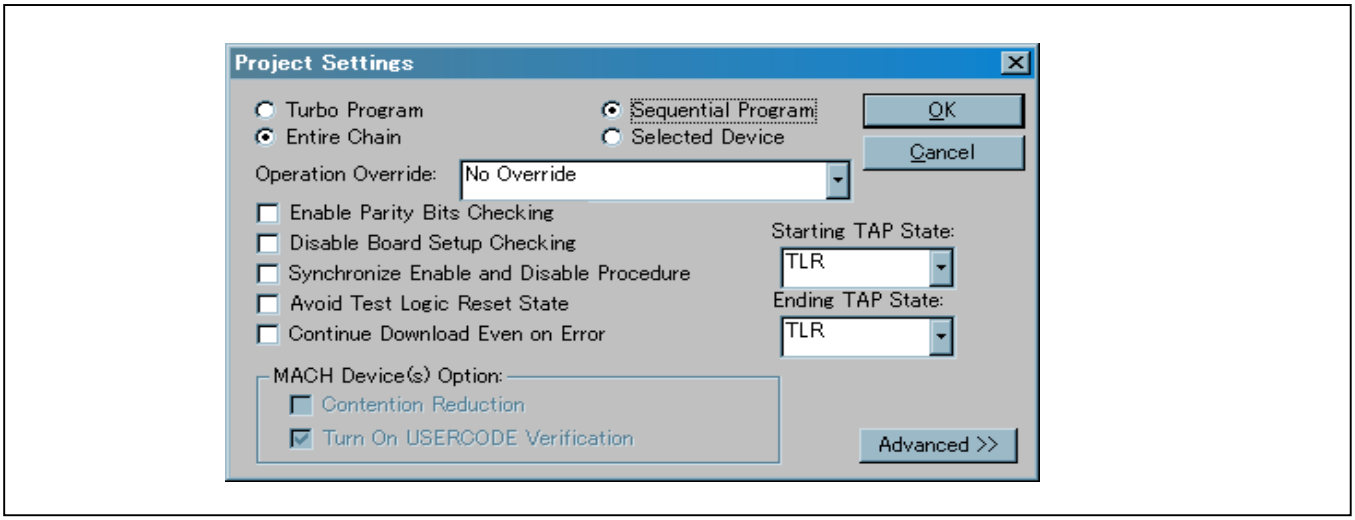


Figure 9-2C-3

7. On main windows, select tab **"Options"**, and then select **"Cable and I/O Port Setup"**.

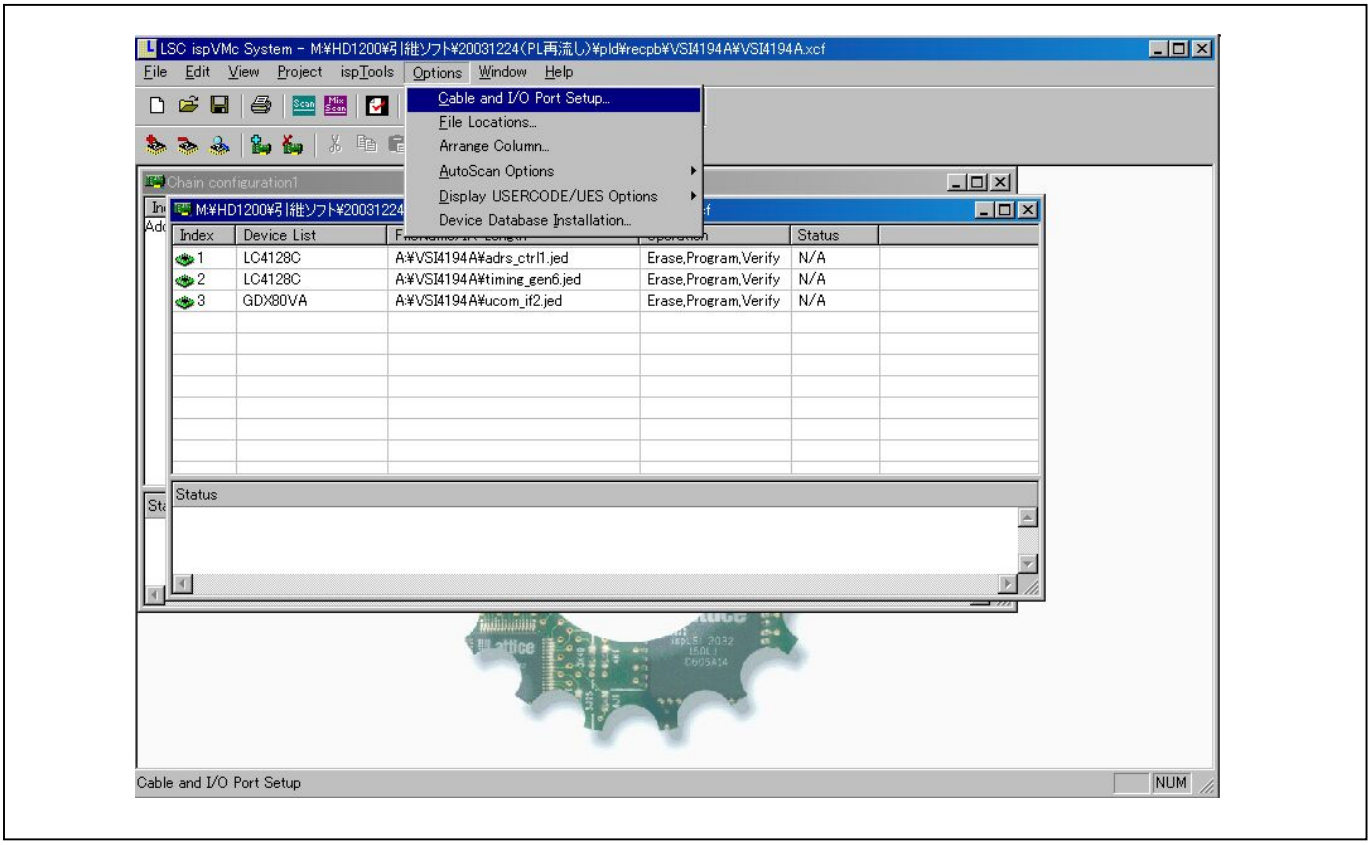


Figure 9-2C-4

8. Make sure that the “Cable Type” is “LATTICE”, if it is not, set it as “LATTICE” and then “OK”.

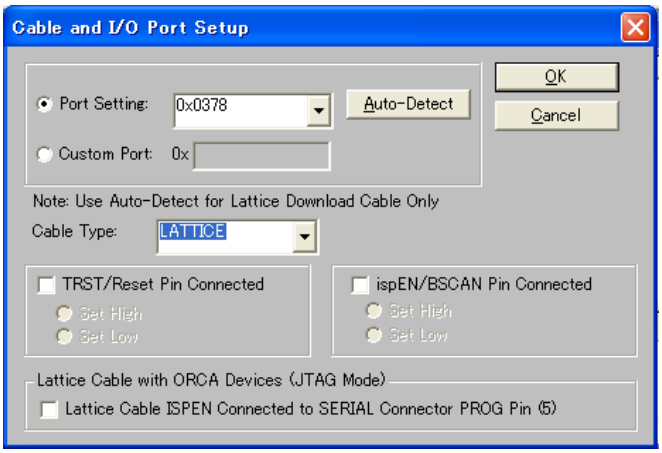


Figure 9-2C-5

9. On main windows, click “GO” button as shown in the figure below and then the version upgrade will start.
10. After completion of version upgrade, all status columns show “PASS” as shown the figure below.

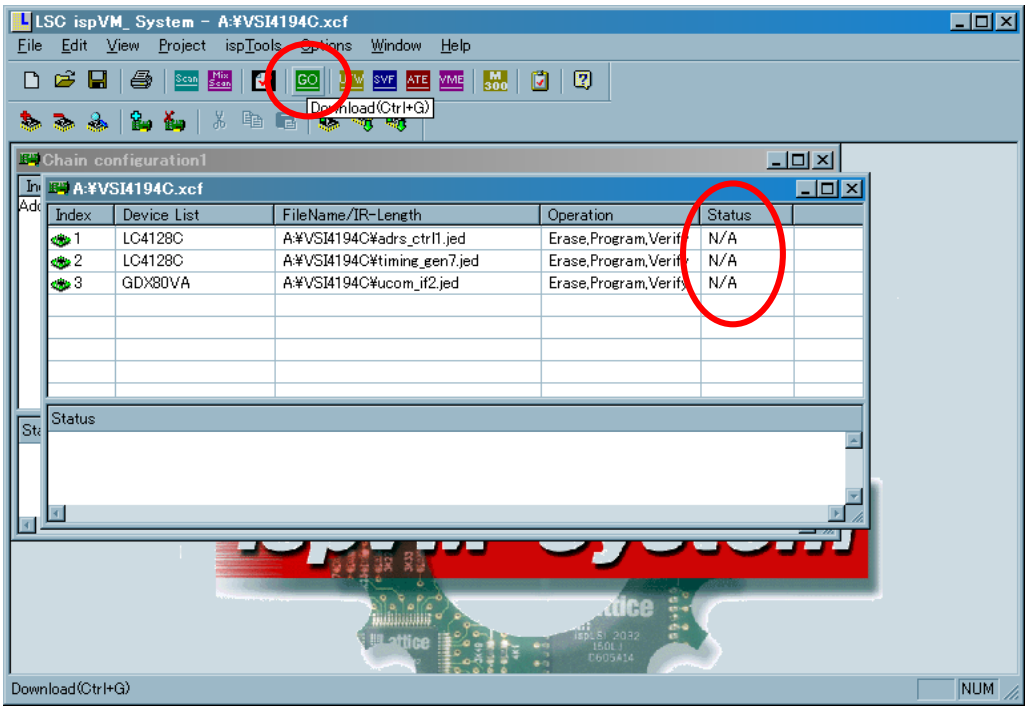


Figure 9-2C-6

9-2-4. PLD (FPGA) Version up Method (XILINX) [1]
<SERVO CPLD IC>

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P4 (VFK1590 standard)
25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	XILINX WebPACK ISE Programmer (iMPACT) Software Please download from the following URL http://www.xilinx.com/support/download.htm 1. Open this page and then select "WebPACK ISE". 2. Before downloading, registration is required to get ID and Password. 3. After registration, click "Download ISE WebPACK" button. 4. Select "CUSTOM" in "Typical Download Configurations" menu. 5. Check **"FPGA Prog."** in "Custom Design Configuration" page. 6. Click Download button. 7. Follow the instruction of next page.
Version Upgrade Data	cdf File (Included in VVVSI4289A file). (Copy all files of the VVVSI4289A which is included " *.cdf " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2D-1

B. Connection and Preparation

1. Connect the D-sub Cable between CN401 (for XILINX) connector of the CPLD WRITER (VFK1590) and Personal Computer. (Refer to figure 9-2A-1 and table 9-2A-2)
2. Connect the CPLD WRITER Cable (VFK1590P4) between PLD version up connector on the relevant board and P401 connector of CPLD WRITER. (Refer to figure 9-2A-1 and tables 9-2A-2, 9-2A-4)
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. Up Software and Ver. up Procedure

1. Select **"Start button"** on the Windows Screenand then **"Program"** and then boot up the **"Xilinx CPLD Webpack"** so that the menu appears as shown in figure 9-2D-2.

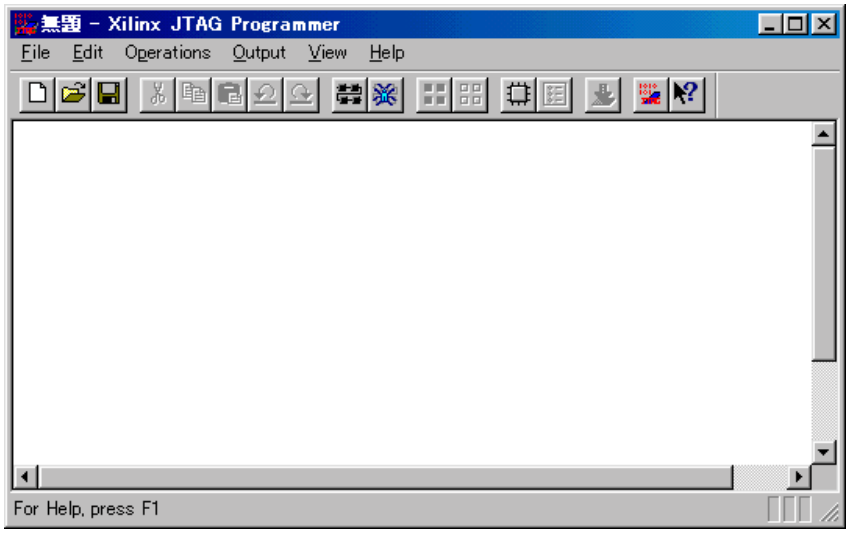


Figure 9-2D-2

2. On main window, select tab **"Output"** and then **"Cable Setup"** → **"Cable Communication Setup"** → **"Communication Mode"** → **"Communication Setup"** → **"Parallel"** as shown in figure 9-2D-3.

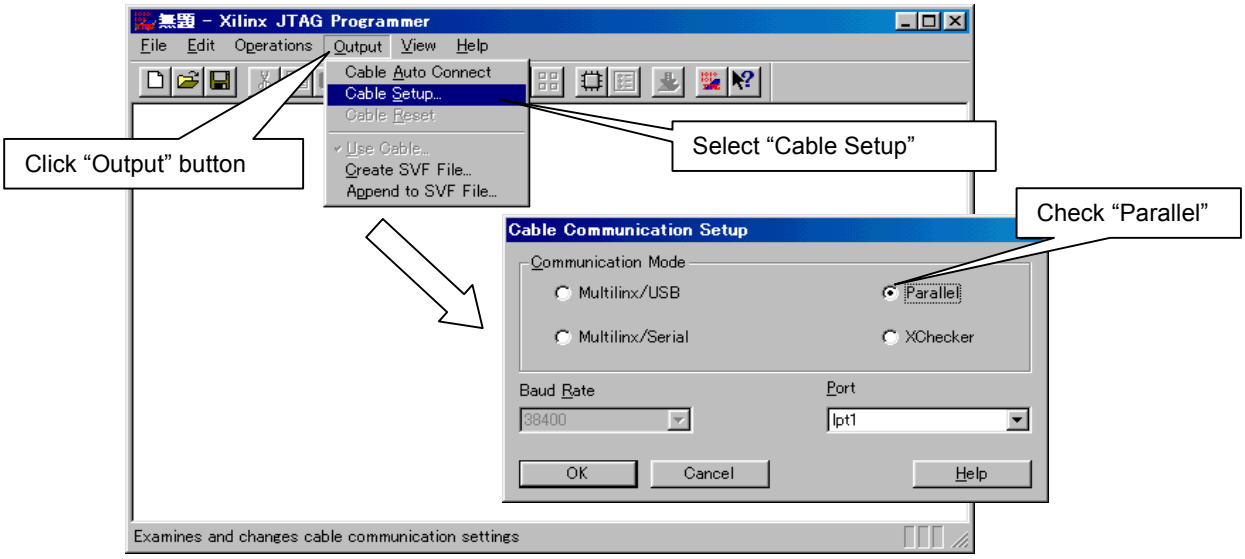


Figure 9-2D-3

3. If the cable communication is correct, the message sa shown in fugure 9-2D-4 appears.

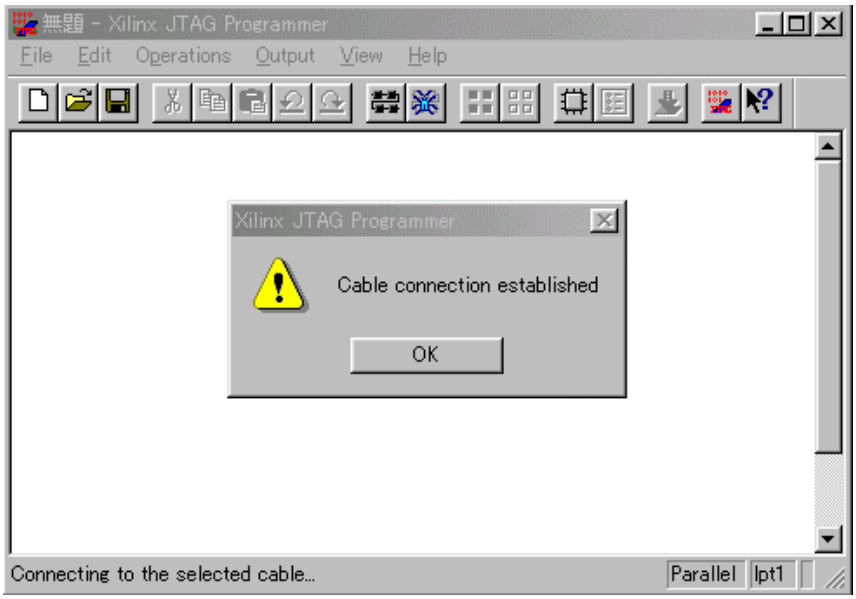


Figure 9-2D-4

4. Click **"OK"** button.

5. Insert floppy disk (which is includes all files of the VVVSI4289A) to floppy drive.
6. Install the WebPACK ISE program. “Xilinx Webpack” folder is created on windows.
7. Click the start button of windows and select "Program" and “Xilinx Webpack”.
8. Select the "Device Programer" and then following screen appears.
9. Check the "Load Configuration Files", and click "Finish" button.

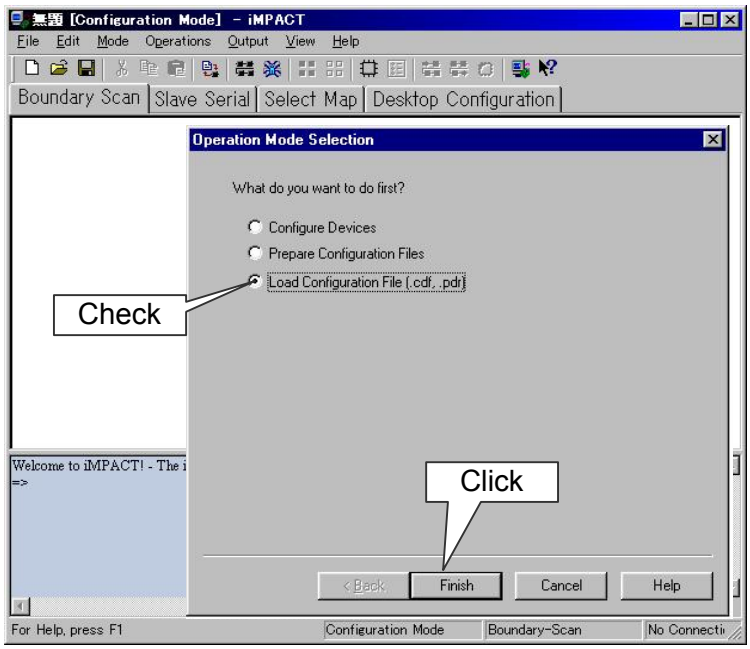


Figure 9-2D-5

10. Select the floppy drive and then select the **“.cdf ”** file.
    (CDF is **C**hain **D**escription **F**ile, This file can write several CPLDs on the same board like a chain.)
11. Click the **“Open”** button.

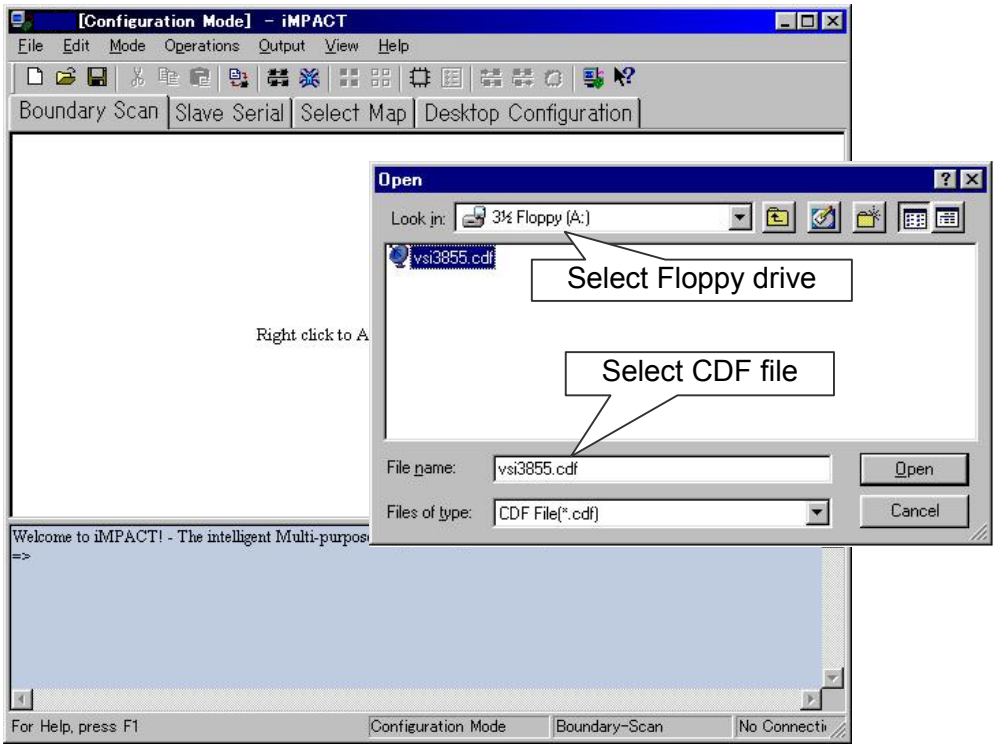


Figure 9-2D-6

12. Click the first device (change the color to green) then click the **"program"** button to open the **"Program Options"** dialog box or select **"Operations"** in the menu then select **"Program"**.

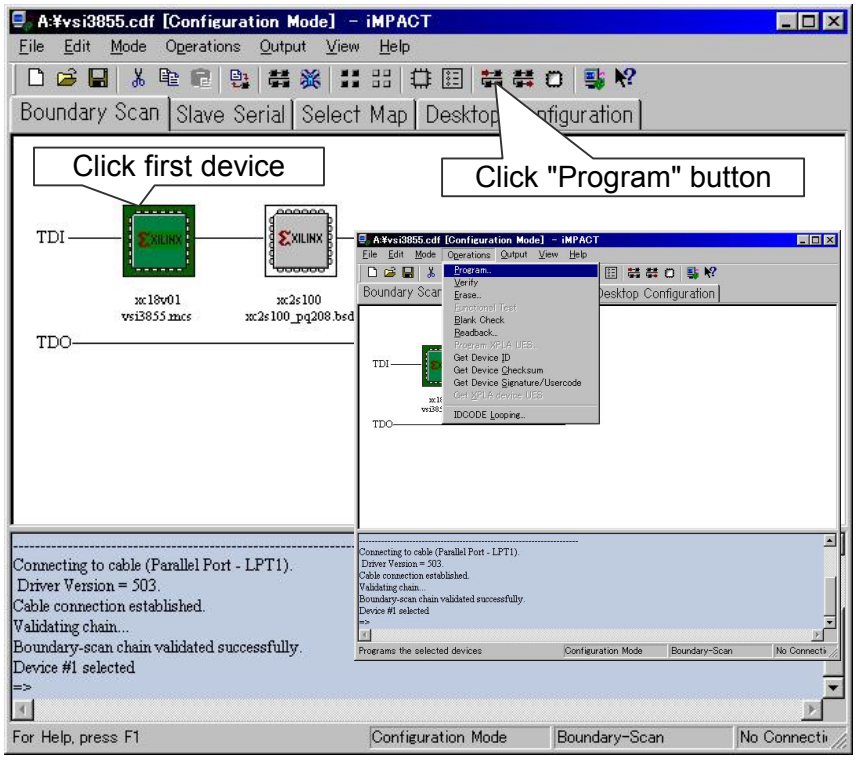


Figure 9-2D-7

13. Check the **"Erase Before Programming"** and **"Verify"** in the dialog box of Program Options.

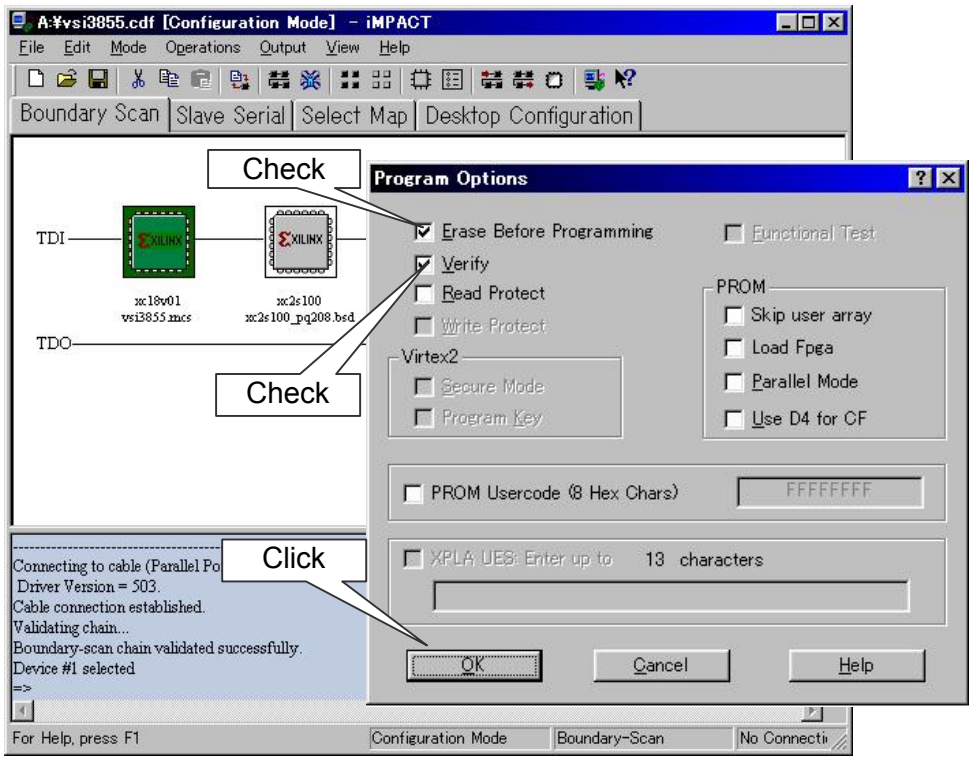


Figure 9-2D-8

14. Then click **"OK"** button to start the programming and verifying.

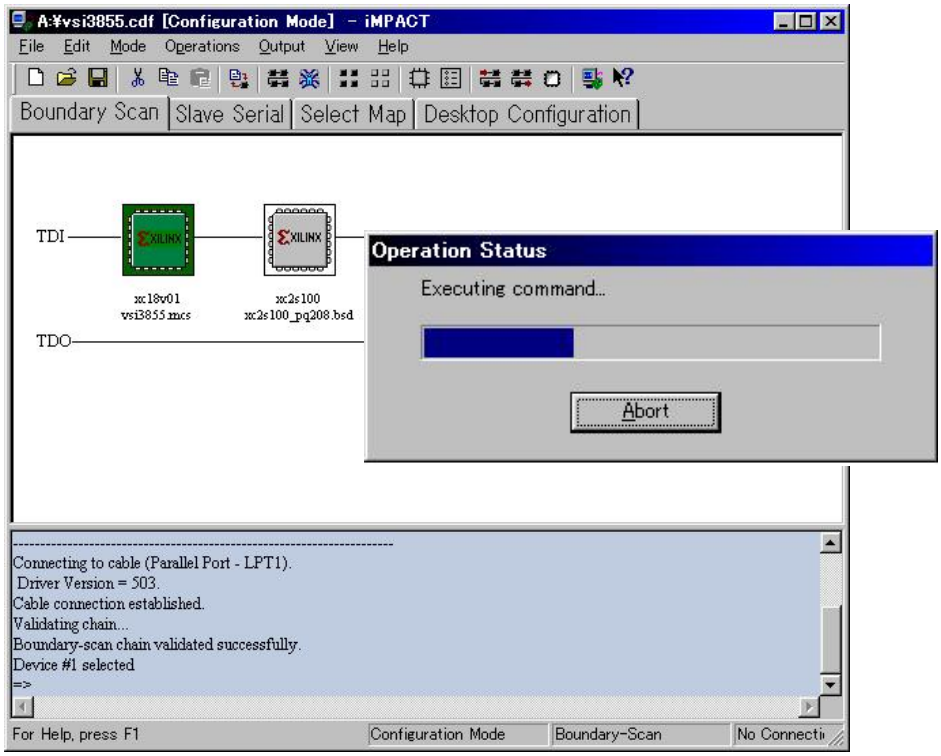


Figure 9-2D-9

15. When the programming is completed. the dialog as shown in figure 9-2D-10 appears.
16. Confirm that PLD version of VTR is updated.

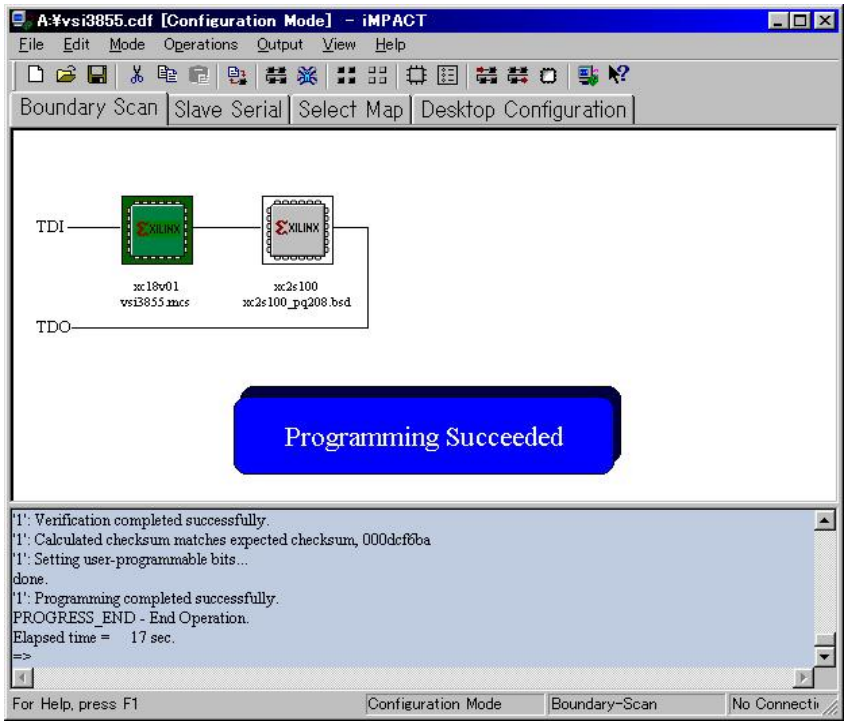


Figure 9-2D-10

9-2-5. PLD (FPGA) Version up Method (XILINX) [2]
<1394 CPLD IC>

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P4 (VFK1590 standard)
25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	VFK1879 (xsvf file) Please download from our web site
Version Upgrade Data	(Copy all files of the VVVSI4288C which is included " *.cdf " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

Table 9-2E-1

B. Connection and Preparation

1. Connect the D-sub Cable between CN401 (for XILINX) connector of the CPLD WRITER (VFK1590) and Personal Computer (Refer to figure 9-2A-1 and table 9-2A-2)
2. Connect the CPLD WRITER Cable (VFK1590P4) between PLD version up connector on the relevant board and P401 connector of CPLD WRITER. (Refer to figure 9-2A-1 and tables 9-2A-2, 9-2A-4)
3. Turn on the VTR and Personal Computer (Windows mode).

C. Boot up the Ver. Up Software and Ver. up Procedure

1. Insert floppy disk (which is includes all files of the VVVSI4288C) to floppy drive. (Refer to table 9-2A-4)
2. Install the version upgrade software (VFK1879) and open the DOS window as shown in figure 9-2E-2.
3. Press ther “ENTER” key, when the screen as shown in figure 9-2E-2 appears.
4. The programming takes about 3 seconds.



Figure 9-2E-2

5. When the programming is completed, the screen as shown in figre 9-2E-3 appears.



Figure 9-2E-3

6. Turn off and on the power of VTR in order to reboot the machine.
7. Confirm that the CPLD version of VTR is updated.
8. Turn off the VTR power and then CPLD writer tool and cables.

10. NODE UNIQUE ID (UID)

10-1. Confirmation of UID Number

IEEE1394 I/F Board (AJ-YAD120AG) has “Node Unique ID”. This UID number is displayed in the DIF STATUS MENU in the DIAG MENU

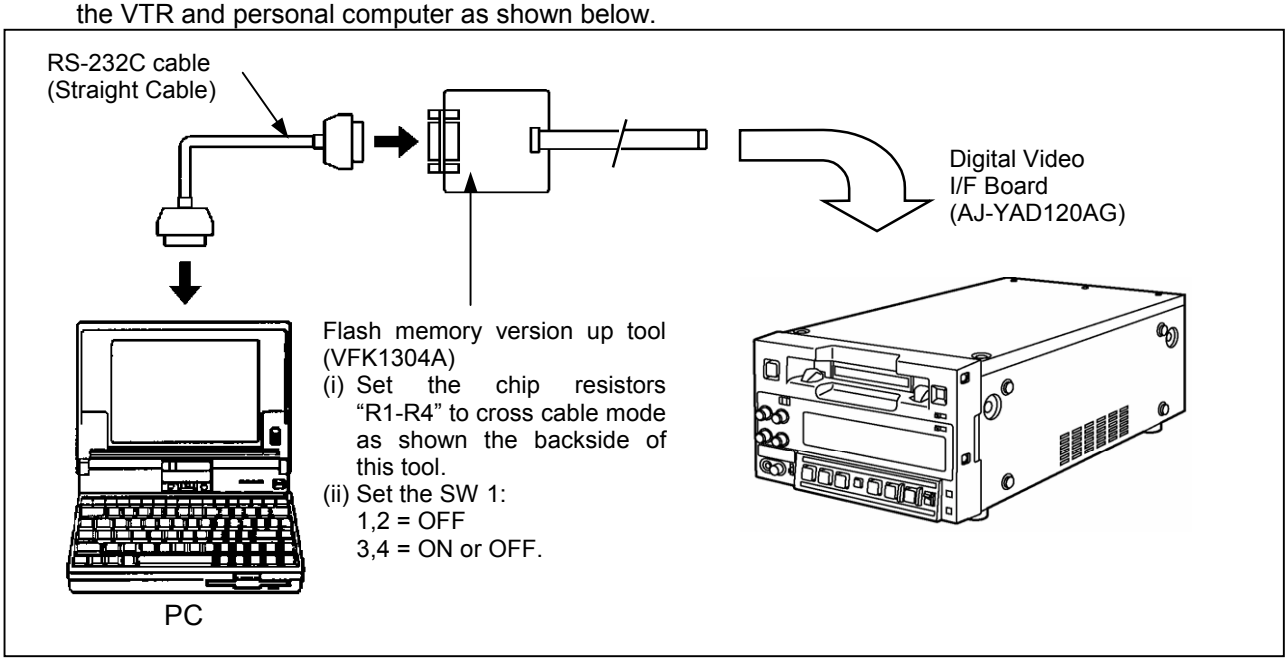
1. Connect a monitor TV to the Line Output of the VTR.
2. Open the “DIAG MENU”.
3. Press the “Search” button twice so that the **“DIF STATUS”** and **“UID Number”** are displayed on the monitor TV. (Refer to Paragraph 7, 7-1.)

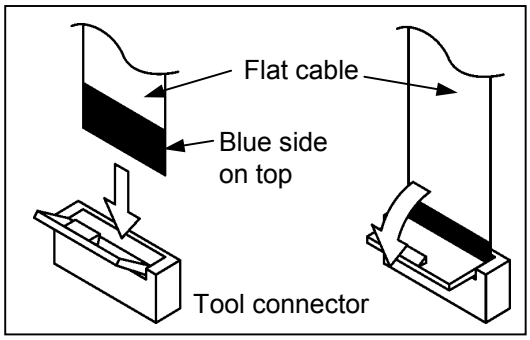
10-2. Writing UID

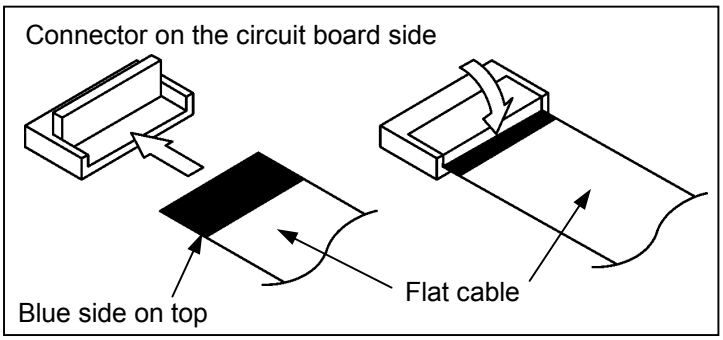
<Important Note>

The UID number should not be changed from the original one.
If the original UID number is needed, contact Panasonic Service Engineering.

1. Connect the “Flash memory version up tool (VFK1304A)” between the connector (P2) on AJ-YAD120AG in the VTR and personal computer as shown below.







2. Make sure that the direction of the flat cable connection (face side and reverse side of flate cable) to the tool (VFK1304A).
   Set the flat cable to the connector as shown in the figures below.

3. Set the VFK1304A in the “CROSS CABLE” mode as shown the backside of the tool but the actual connection cable should be straight cable.
4. Set the DIP switch SW3301-1 to ON, and SW3301-2, 3 and 4 are “OFF”.
5. Turn “ON” the personal computer power.

6. Start up the Hyper Terminal of Windows 95/98 on the personal computer.
   (Programs of Windows → Accessories → Hyper Terminal → Hypertrm.exe)
   Name the Hyper Terminal "1394", and select an icon.
   Select the connection method. (Connecting using: Direct to COM*)
   Perform settings of the Port. (Bits per second: 9600, Data bits: 8, Parity: None, Stop bits: 1,
   Flow control: None)
   File → Properties → Settings → ASCII Setup → put a mark on the "Append line feeds to incoming line ends" of ASCII Receiving.
7. Turn “ON” the VTR power.
8. The initial screen of Debug Monitor appears on the Hyper Terminal screen.

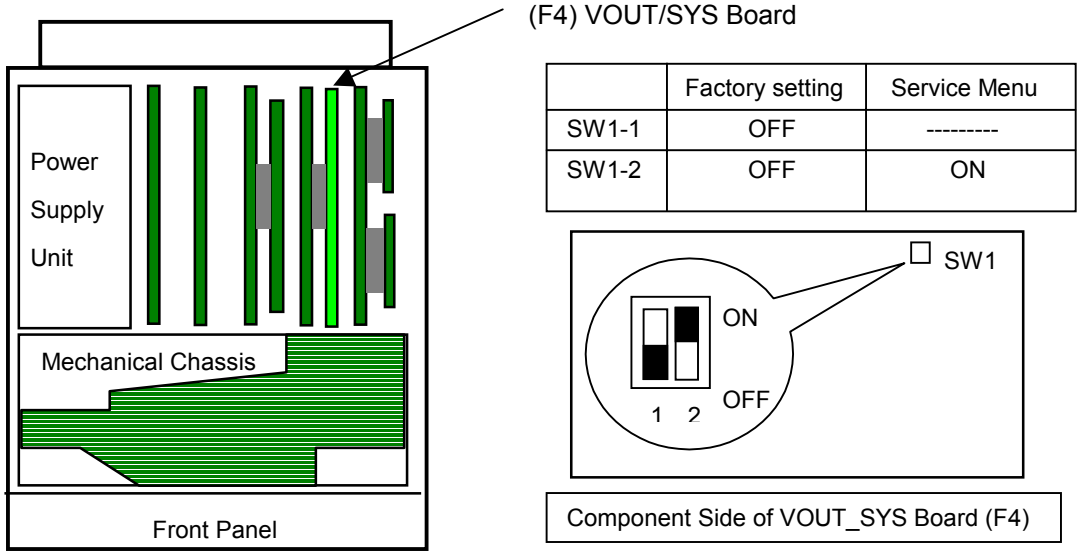
```
*******************************************************************************
*                            -- Debug Monitor --                              *
*   Copyright(C) 1997-2003, Matsushita Electric Industrial Co., Ltd.          *
*                             All right reserved                              *
*******************************************************************************
```

9. Press the Enter key, and confirm that "MON >>" appears.
10. Input the UID command "MON >>uid ********", which is the 8 digits of the second half of the UID. (The 8 digits of the first half are always 00804582.)
11. Confirm that "&OK" and "MON >>" appear.
12. Close the software "Hyper Terminal". Turn “OFF” the power of the VTR.
13. Set the DIP switch SW3301-1 to “OFF”

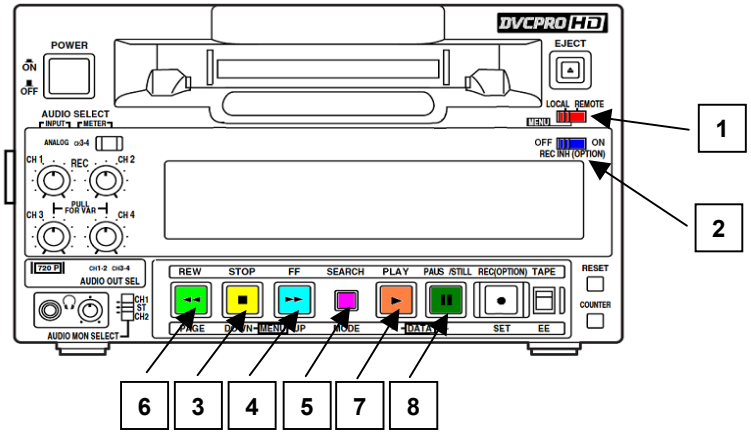
11. Service Menu

11-1. Service Menu Operation

1. Set the pin 2 of SW1 on the VOUT_SYS Board to the “ON” position.

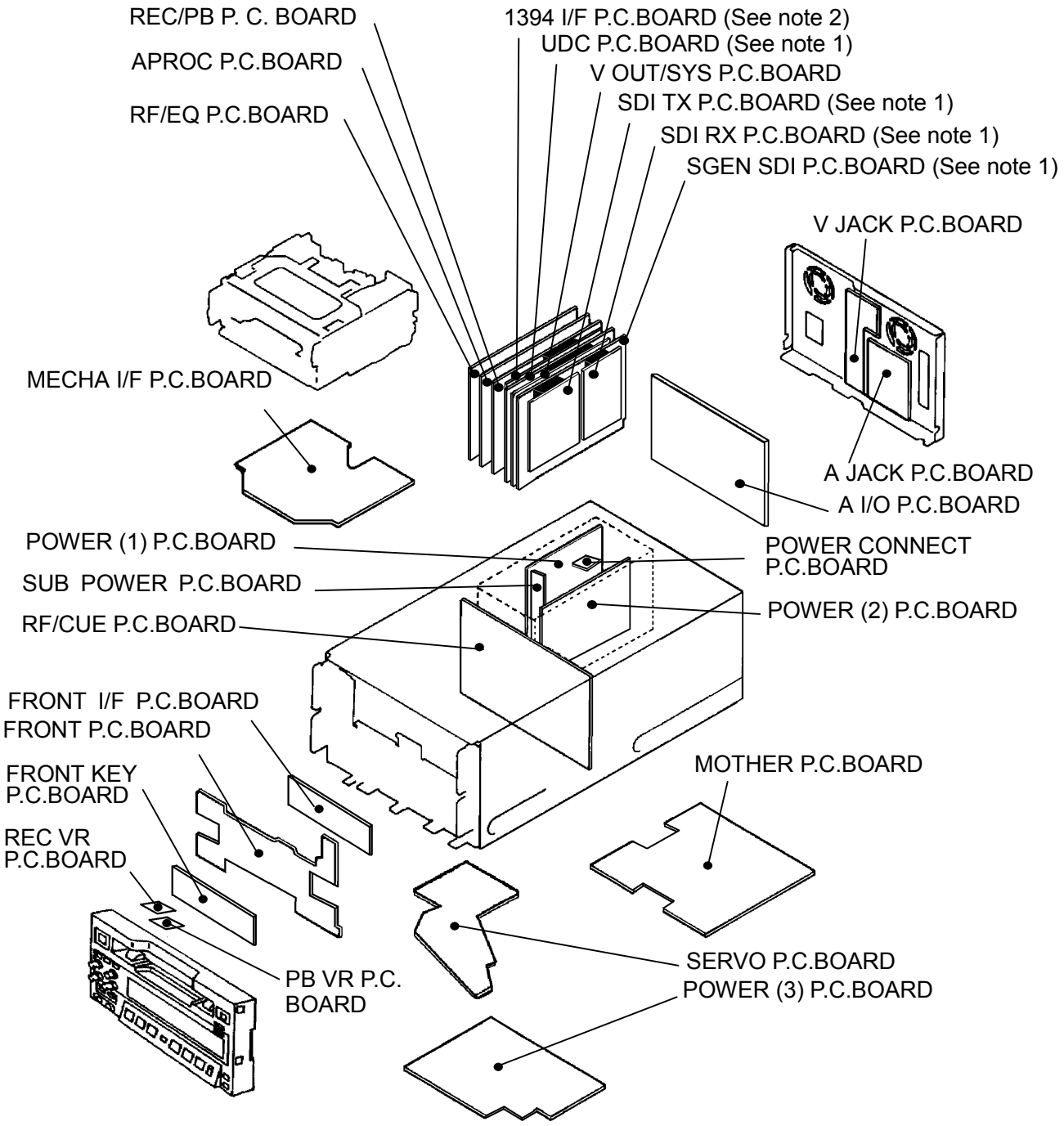


	Factory setting	Service Menu
SW1-1	OFF	---------
SW1-2	OFF	ON



2. Set the **“LOCAL/MENU/REMOTE” [1] switch on the Front Panel to the “MENU” position.**
3. Turn off the **“REC INHIBIT” [2]** on the Front Panel.
4. Select the item of the “MAIN MENU”.
   - **“DOWN” Button [3]:** Cursor (*) on the monitor moves to up direction.
   - **“UP” Button [4]:** Cursor (*) on the monitor moves to down direction.
   - **“MODE” Button [5]:** Menu changes to the direction of Main menu to sub menu.
   - **“REC INHIBITS” Switch [2] ---- ON:** Menu operation becomes effective.
   - **“REC INHIBITS” Switch [2] ---- OFF:** VTR operation becomes effective.
5. Select the item of the “SUB MENU”.
   - **“DOWN” Button [3]:** Cursor (*) on the monitor moves to up direction.
   - **“UP” Button [4]:** Cursor (*) on the monitor moves to down direction.
   - **“PAGE” [6] + “MODE” [5] Buttons:** Menu changes to the direction of Main menu to sub menu.
   - **“-“ Button [7]:** Data value is decreased.
   - **“+” Button [8]:** Data value is increased.
6. Set the **“LOCAL/MENU/REMOTE” [1]**to the **“LOCAL”** or **“REMOTE”** position and then set the DIP switch **(SW1-2)** on the VOUT_SYS Board to the original position **(OFF).**

12. CIRCUIT BOARD LAYOUT



Note:

1. Optional accessory AJ-YA120AG (HD-SDI In/Out and SD-SDI Out Boards) consists of UDC P.C. Board, SGEN SDI / SDI TX / SDI RX P.C. Boards and BNC Connector Panel.
2. Optional accessory AJ-YAD120AG (Digital Video In/Out Board) consists of 1394 IF P.C. Board and Connector Panel.

13. Service Menu Setting

After replacing the “SYSIF Microcomputer with Flash ROM” (IC500) on the VOUT/SYS Board or VOUT/SYS Board it self, the following service menu setting should be performed.

Adjustment Item		Adjustment Value		* Shipping Suffix				Remark (Setup Menu)
No.	**Supper Imposed Display**	**Range**	**After Initializing**	**:T** (Japan)	**:P** (America)	**E:** (Europe)	**:MC** (China)	
F00 : VIDEO ADJUST								
F01	V SETUP	Off (0) On (1)	Off (0)	OFF (0)	ON (1)	OFF (0)	OFF (0)	ON: No.682 [VO SERUP(HD)], No.683 [VO SETUP(SD)] Selection OFF: Prohibition of the above operations
F03	ASPECT	ET V (0) CROP (1)	CROP (1)	CROP (1)	EIT V (0)	EIT V (0)	EIT V (0)	No.620 (DOWNCON MODE), No.621 (UPCON MODE) No.638 (IN U/C MODE) Expression of screen aspect is changed.
G00 : AUDIO ADJUST								
G01	REF LEVEL1	FS-20 (0) FS-18 (1) FS-12 (2)	FS-20 (0)	FS-20 (0)	FS-20 (0)	FS-18 (1)	FS-18 (1)	Audio reference level is selected.
G03	REF LV INT	0dB (0) 4dB (1)	4dB (1)	4dB (1)	0dB (0)	0dB (0)	4dB (1)	No.701-709 (Audio In/Out Levels) are selected.
G21	IN IMP IN	HIGH (0) 600 (1)	HIGH (0)	600 (1)	HIGH (0)	HIGH (0)	HIGH (0)	No.781 (IN IMP SELE) is selected.
G22	AUD OUT SEL	TYPE1 (0) TYPE2 (1)	TYPE (0)	TYPE 1 (0)	TYPE 1 (0)	TYPE 1 (0)	TYPE 1 (0)	TYPE1: No. 770 (MONITOR MIX) Selection TYPE2: Stereo Mode Only.
H00 : OTHER								
H03	FMT DISP	422 (0) 50M (1)	50M (1)	50M (1)	422 (0)	422 (0)	422 (0)	No. 023(FORMAT SEL) Expression of the above operation is changed.
H08	HD1200A	OFF (0) ON (1)	OFF (1)	AJ-HD1200 : OFF (0) AJ-HD1200A : ON (1)				ON : No. 894, No. 895 and No 896 are selected. OFF: Prohibition of the above Operations.
H21	UNDERCUT ADJ	00000 | 0020E | 00FFF	000 | 20E | FFF	Perform “2-1. Battery Voltage Detect Adj.” then the adjustment value is set.				
	INPUT VL		0.0V | 99.9V					

* The area name of each shipping suffix shows only representation area

SECTION 2

DISASSEMBLY PROCEDURES

CONTENTS

Disassembly Procedures DIS-1

1-1. Removal of Top Panel.....DIS-1

1-2. Removal of Bottom Panel DIS-1

1-3. Removal of Front Panel.....DIS-1

1-4. Removal of Front-loading Unit DIS-1

1-5. Removal of Rear Jack Panel.....DIS-2

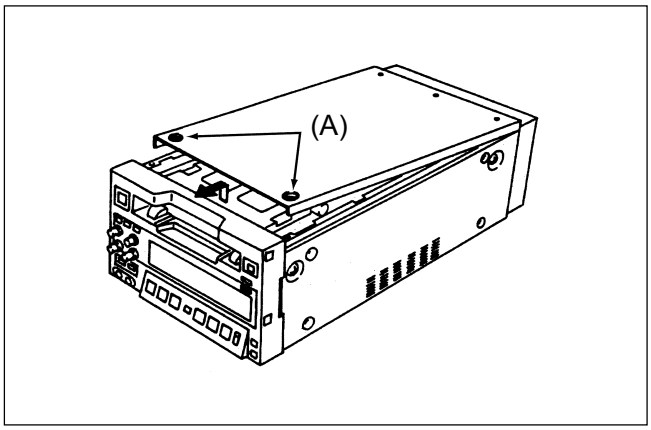
1-6. Removal of Power Supply Unit DIS-3

1-7. Removal of Mechanism Unit DIS-3

Disassembly Procedures

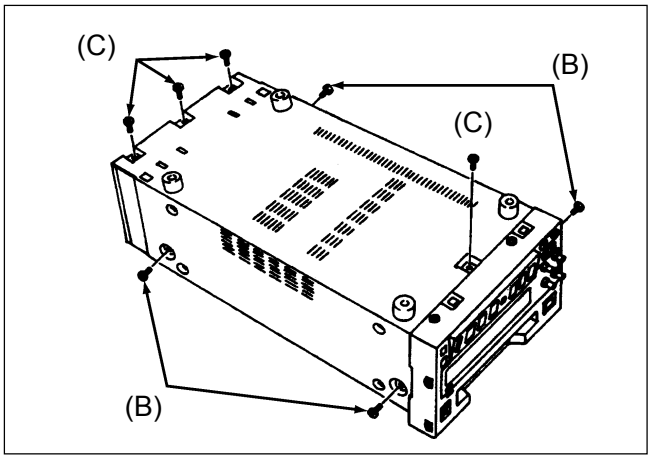
1-1. Removal of Top Panel

1. Unscrew the two screws (A).
2. Lift up the Top Plate slightly and remove it to the front.



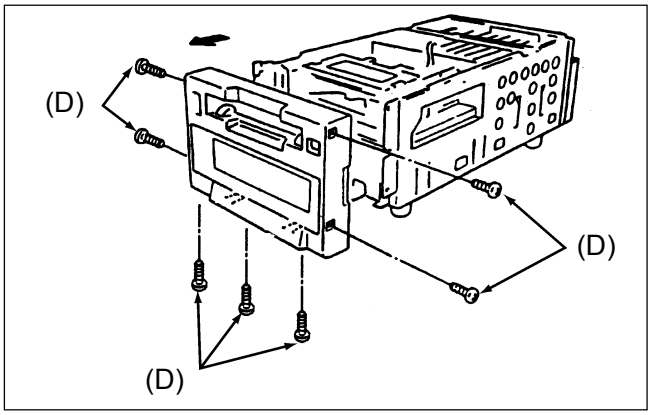
1-2. Removal of Bottom Panel

1. Unscrew the four screws (B).
2. Unscrew the four screws (C) and remove the Bottom Panel.

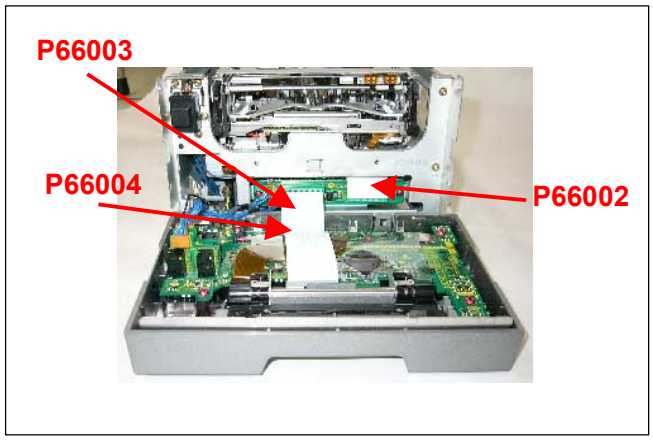


1-3. Removal of Front Panel

1. Unscrew the seven screws (D) and release the two lock claws.

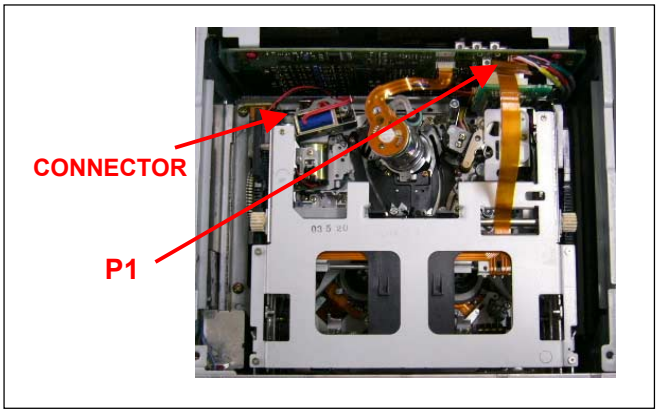


2. Open the Front Panel to the front.
3. Disconnect the three connectors (P66002, 66003, 66004) and remove the Front Panel.

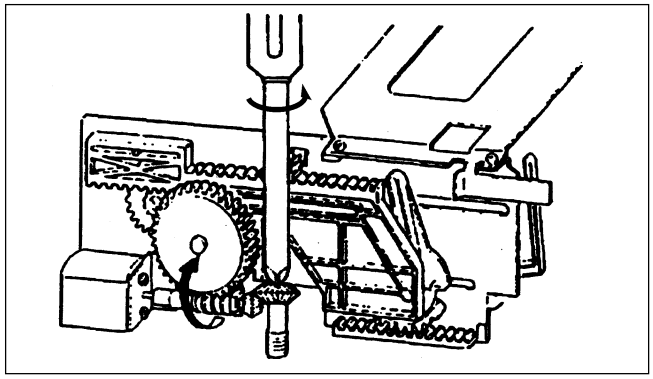


1-4. Removal of Front-loading Unit

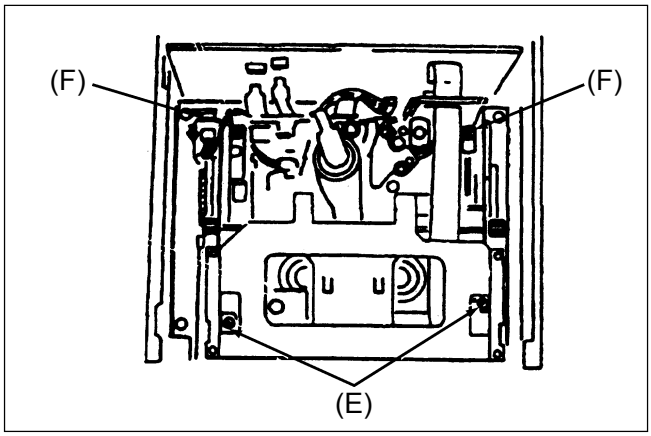
1. Disconnect the connector of the loading motor and the connector (P1).



2. Push the red plastic screw in front of the worm gear of the cassette-down motor with a screwdriver and turn it counterclockwise to move the cassette holder to the position where the two screws (E) can be seen as shown the next figure.

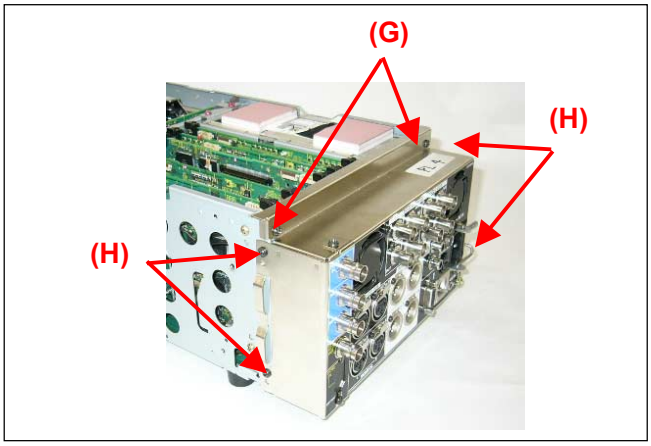


3. Unscrew the four screws (E) and (F), and then slowly lift up the Front Loading Unit.

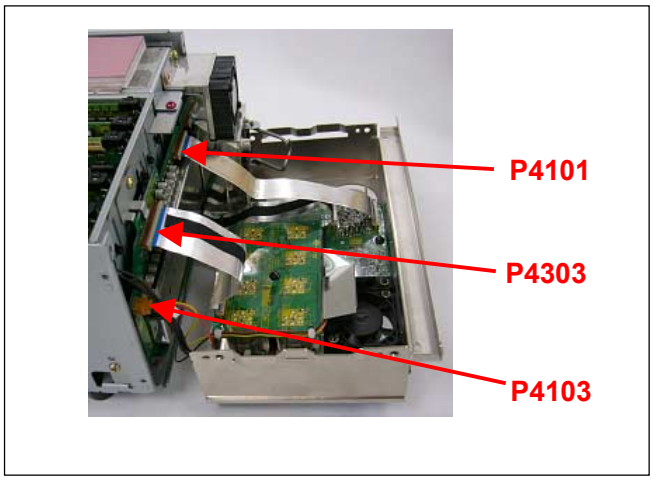


1-5. Removal of Rear Jack Panel

1. Unscrew the six screws (G) and (H).



2. Disconnect the three connectors (P4101, 4130, 4303).

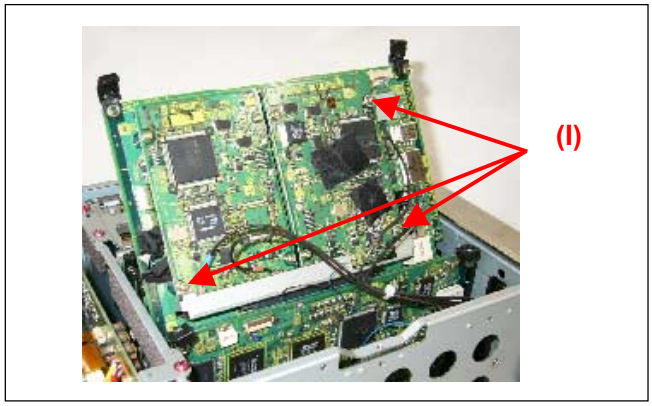


3. Remove the Rear Panel.

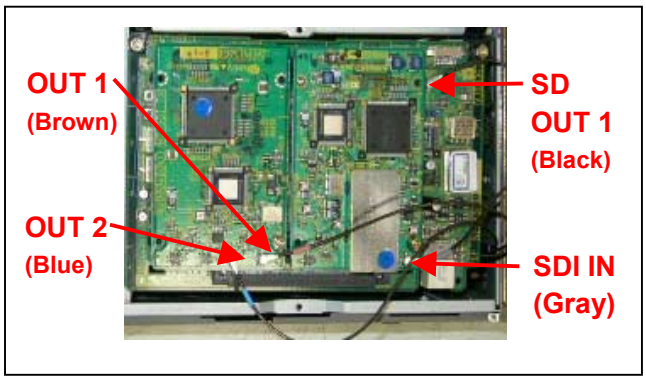
Note :

When the Optional Board AJ-YA120AG is installed, perform steps 4 to 5.

4. Temporally remove the SGEN_SDI Board and then unscrew the three screws (I), and remove the connector support angles.

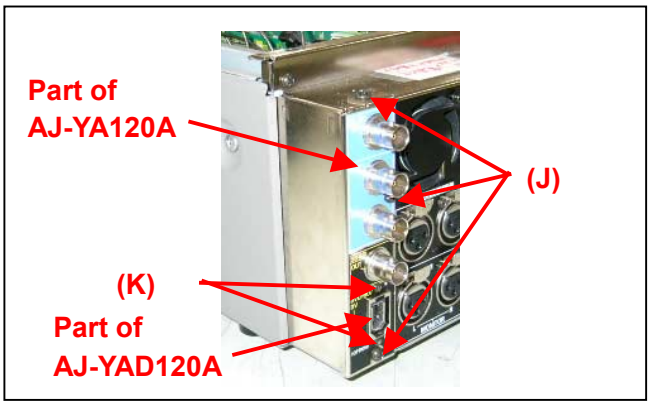


5. Disconnect the four connectors [SD OUT1 (Black), SDI IN (gray), OUT1 (Brown) and OUT2 (Blue)].



Note: When the Optional Board AJ-YA120AG or AJ-YAD120AG has been installed, perform step 6.

6. Unscrew the tree screws (J) and temporally remove the Connector Panel.

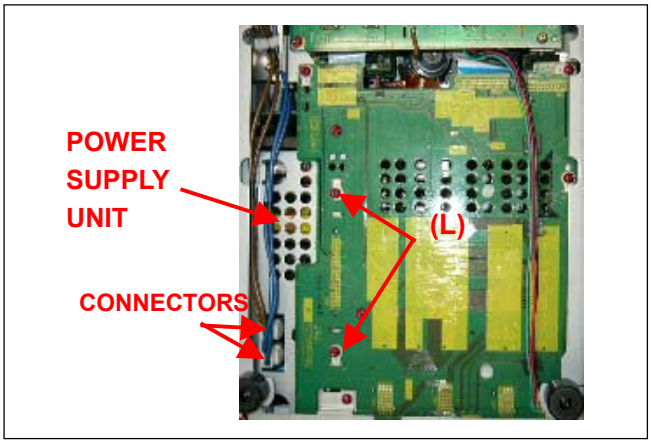


7. Open the Rear Panel and remove the SDI cables, and Connector Panel of AJ-YA120AG.
8. Unscrew the two screws (K) and remove the IEEE1394 Connector Unit of AJ-YAD120AG from the Rear Panel.

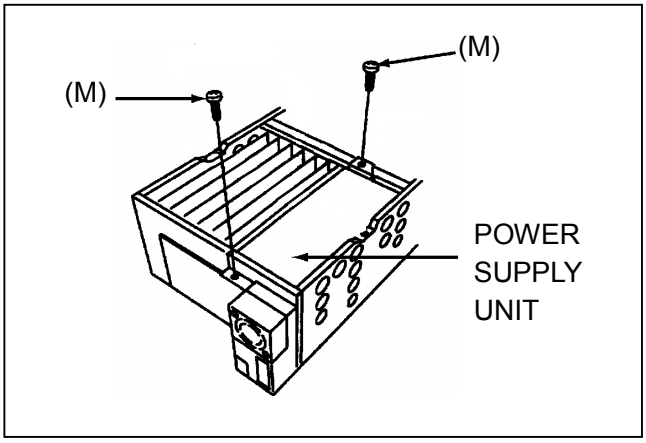
Note: 1. Pay attention not to damage the cable and wires.
2. Perform assembly by reversing the procedure.

1-6. Removal of Power Supply Unit

1. Disconnect the two connectors and unscrew the two screws (L).

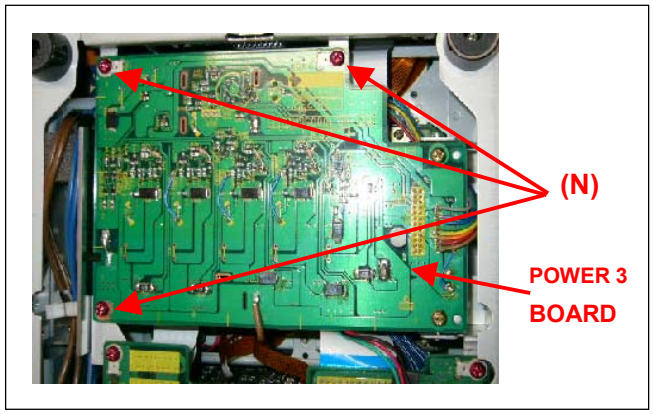


2. Unscrew the two screws (M) and lift up the Power Supply Unit to remove it.

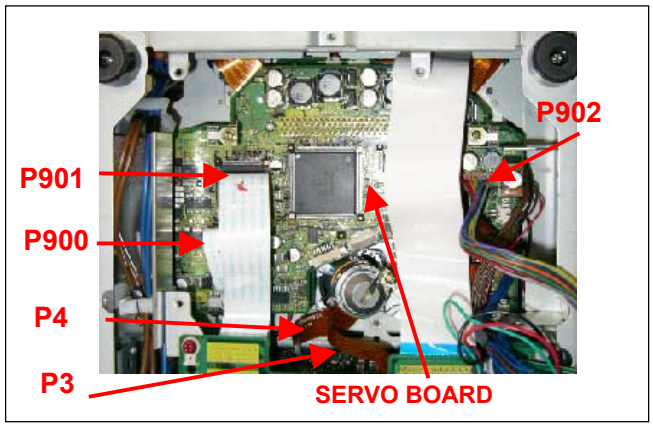


1-7. Removal of Mechanism Unit

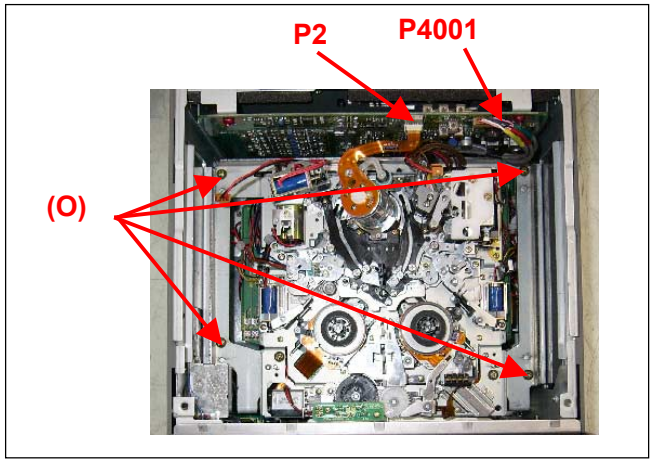
1. Unscrew the three screws (N) and open the Power 3 Circuit Board.



2. Disconnect the five connectors (P901, P900, P902, P4 and P3) On the Servo Board.



3. Disconnect the two connectors (P2, and P4001), and remove the four screws (O).



4. Slowly lift up the Mechanical Chassis Unit.

Note: Perform assembly by reversing the procedure.

SECTION 3

MECHANICAL ADJUSTMENT

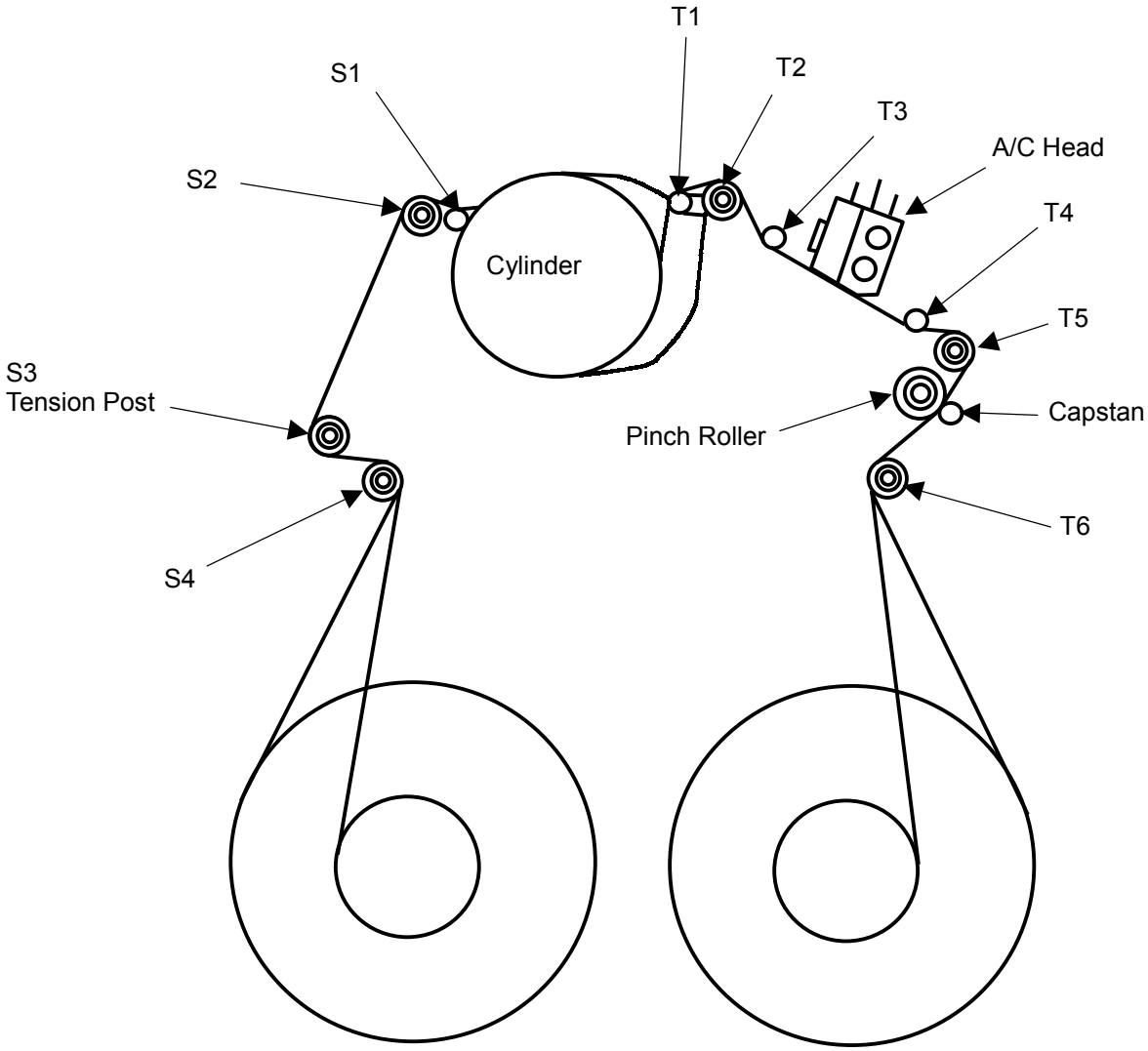
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1. Mechanical Adjustment Procedures

Name of Components on Tape Transportation



1-1. Post Driver Specification

The Post Driver (VFK1149) is not fitted with S2, S3, S4, T2, T5 and T6 posts. File the tip of Post Driver as shown in the figure, or obtain the new type of the Post Driver (VFK1149B).

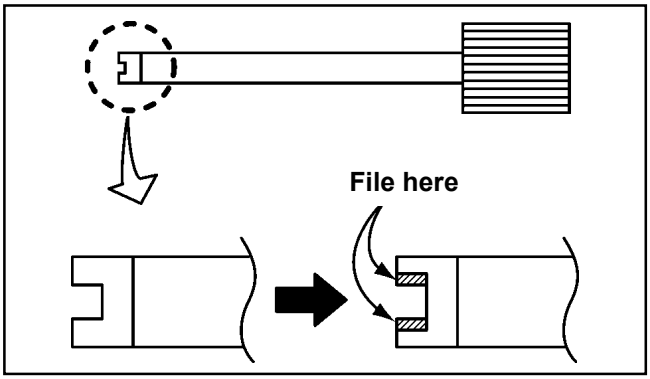


Figure 1-1-1

1-2. Post Height Pre-Adjustment

MODE	EJECT (POWER OFF)
TOOL	VFK1586 (Mech. Neutral Plate) VFK1154 (Post Height Fixture) VFK1149B (post Driver)

1. Confirm that the Reel Table is positioned for M-Cassette and turn the power OFF.
   Remove the Front Loading Unit and install the Mech. Neutral Plate (VFK1586).
   If the Reel Table position is not for M-Cassette, insert an M-Cassette and eject it so that the position is for M-Cassette.
2. Put the Post Height Fixture (VFK1154) on the Mech. Neutral Plate, and adjust the Upper Limit and Lower Limit as shown in figure 1-2-1.
3. Adjust the S3 and T5 Post Height to the lower limit under the loading condition.
4. Adjust the S4 and T6 Post Height to the lower limit, and turn them 1/4 rotation clockwise in order to realize 'Lower limit – 0.05mm'. (1 turn = 0.2mm)

Post Name	Limit
S3 Post	Lower Limit
S4 Post	Lower Limit - 0.05mm
T5 Post	Lower Limit
T6 Post	Lower Limit -0.05mm

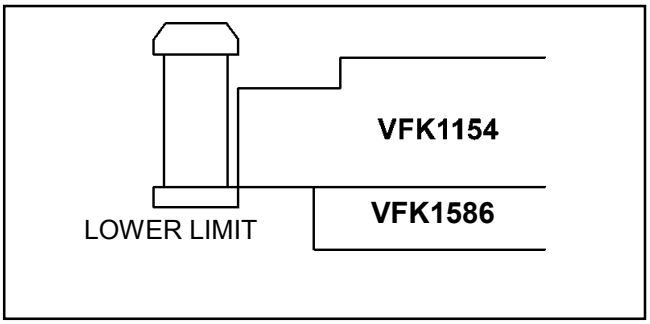


Figure 1-2-1

Note:
See page MECH-1 for post locations.

1-3. Photo Sensor Voltage Adj.

TP	T-side: TP2 (A_PROC Board: Slot 2) S-side: TP1 (A_PROC Board: Slot 2)
ADJ.	T- side: VR400 (Mech. I/F Board) S- side: VR401 (Mech. I/F Board)
MODE	STOP
TAPE	VFK1423 (Tape BEG./END Detect Adjustment Cassette)
SPEC.	2.2V ± 0.6V

1. Connect the oscilloscope to TP2 or TP1.on the A_PROC Board and then insert the VFK1423 (Tape Beg. /End Detect Adjustment Cassette).
2. Adjust VR400 on the Mech I/F Board so that the voltage at TP2 (T-side) is in the specification and VR401 on the Mech I/F Board so that the voltage is in the specification.

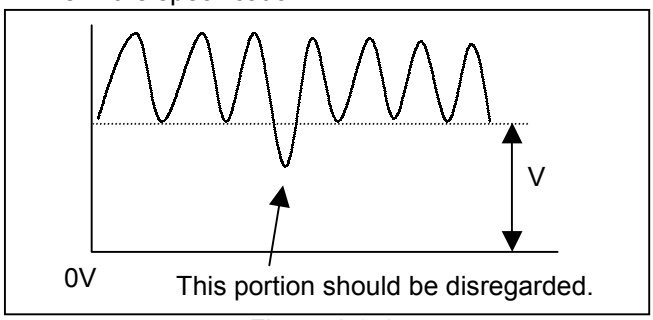


Figure 1-3-1

1-4. Tension Adj. Flow Chart

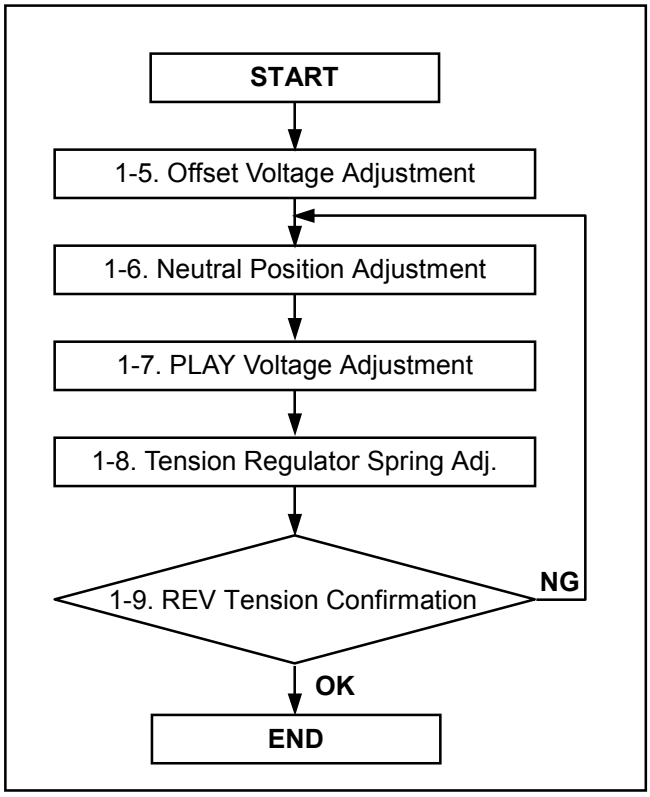


Figure 1-4-1

1-5. Tension Arm Offset Voltage Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	VR1: Mech. I/F Board
MODE	EJECT (POWER OFF)
M. EQ	Digital Volt Meter
SPEC.	2.5 V ± 0.05 V

1. Place the unit in the EJECT mode and measure the voltage at TP3.
2. If it is out of specification, adjust the VR1.

1-6. Tension Arm Neutral Position Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	Tension Regulator Board Base position (Tab D)
MODE	STOP
TOOL	VFK1587 (NEUTRAL Position Fixture) Digital Volt Meter
SPEC.	2.5 V ± 0.1 V

1. Disconnect the flat cable between the Front Loading unit and P3 connector in figure 1-6-1.
2. Unscrew the 6 screws and remove the Top Plate.
3. Set the VFK1587 (NEUTRAL Position Fixture) as shown in figure 1-6-2.
4. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”.
   Place the unit in the loading completion mode without cassette tape. (Refer the following note 1)
5. Adjust the base position of Tension Regulator Board so that the voltage at TP3 is within the specification.
   To adjust the base position of Tension Regulator Board, loosen the screw (A) and move the lever (D) by using a non-magnetic screwdriver. To fix the base, tighten the screw (A).

Note:

Loading Operation without Cassette Tape

1) Turn on the Dip Switch (SW1, pin 2) on the VOUT/SYS Board.
2) Set the LOCAL/MENU/REMOTE switch on the Front Panel to the MENU position so that the VTR is Service Menu Mode.
3) Turn off the REC INHIBIT switch on the front panel.
4) Select 00: SERVO ADJUST by using “+” or “-“ button and then press the MODE button...
5) Select A07: TENSION by using “+” or “-“button and then press the MODE button so that the VTR becomes the loading completion mode without cassette tape.

Change to Normal Operation

1) Press the MODE switch while pressing the PAGE button so that the SERVICE MENU changes to the TOP MENU.
2) Set the LOCAL/MENU/REMOTE to LOCAL or REMOTE position so that the VTR is placed in the normal mode.
3) Turn the DIP switch (SW1, pin 2) off.

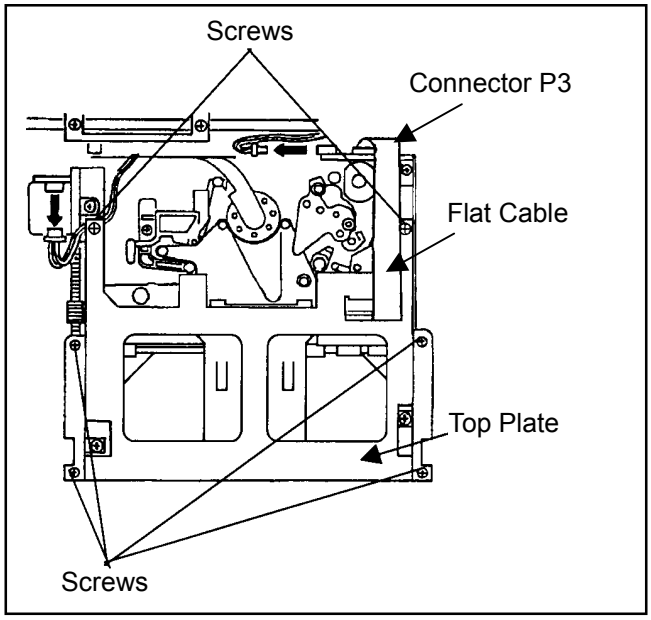


Figure 1-6-1

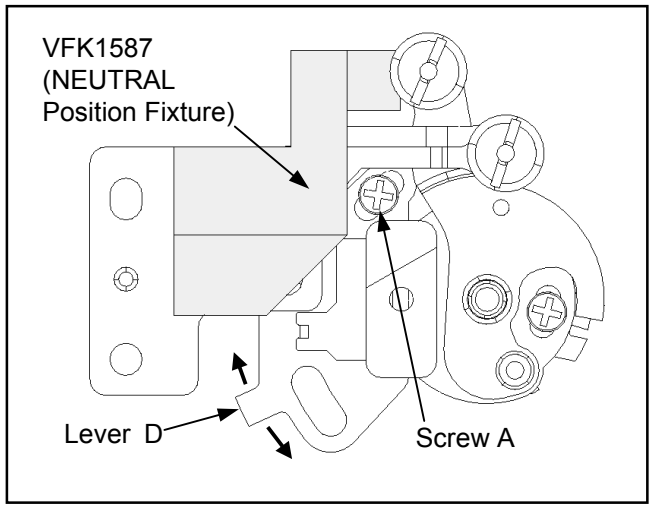


Figure 1-6-2

1-7. PLAY Voltage Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	VR2: Mech. I/F Board
MODE	STOP
TOOL	VFK1588 (PLAY Position Fixture) Digital Volt Meter
SPEC.	3.8 V ± 0.05 V

1. Set the VFK1588 (PLAY Position Fixture) as shown in the figure 1-7-1.
2. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”.
   Place the unit in the loading completion mode without cassette tape. (Refer the note in Paragraph 1-6.)
3. Adjust VR2 so that the voltage at TP3 is in the specification.

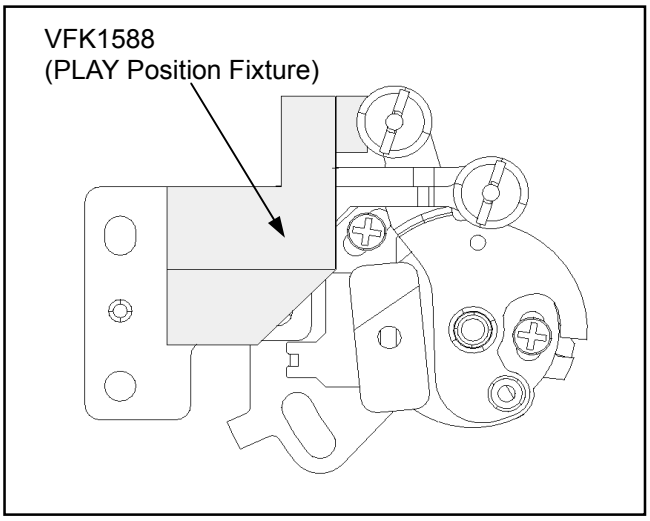


Figure 1-7-1

1-8. Tension Regulator Spring Adjustment

TP	TP3: A_PROC Board (Slot 2)
ADJ.	Tension Spring Adjust Screw
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter
SPEC.	100mN ± 10mN (1gf ± 1gf)

1. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”.
   Place the unit in the loading completion mode without cassette tape. (Refer the note in Paragraph 1-6.)
2. Push the tension post in the direction R by the tension gauge under the loading condition until the output voltage reaches 3.8V (Play position).
3. Adjust the Tension Regulator Spring Adjust Screw while keeping the voltage 3.8V so that the measured value by the Torque gauge is within the specification. (Refer to the figure below.)

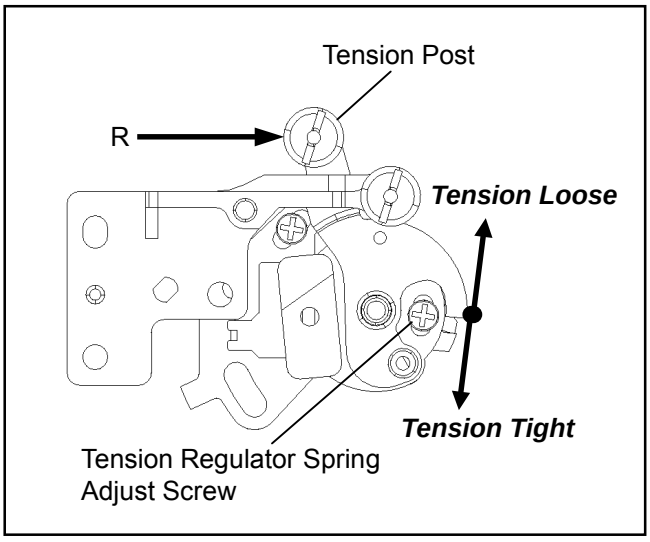


Figure 1-8-1

1-9. REV Tension Confirmation

TP	TP3: A_PROC Board (Slot 2)
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter
SPEC.	180mN ± 20mN (18gf ± 1gf)

1. Open the “SERVO ADJUST” menu in the Service Menu and select the item “A07: TENSION”. Place the unit in the loading completion mode without cassette tape. (Refer the note in Paragraph 1-6.)
2. Push the tension post to the direction R by the tension gauge under the loading condition until the output voltage reaches 1.1V (REV position).
3. Confirm that the measured value by the Torque gauge is within the specification while keeping the voltage 1.1V.
4. If it is out of specification, readjust the “1-8. Tension Regulator Spring Adjustment”.
5. After finishing the A/C Head adjustment, one drop of screw lock tight glue should be applied to the portions (A) and (B) as shown in figure 1-9-1.

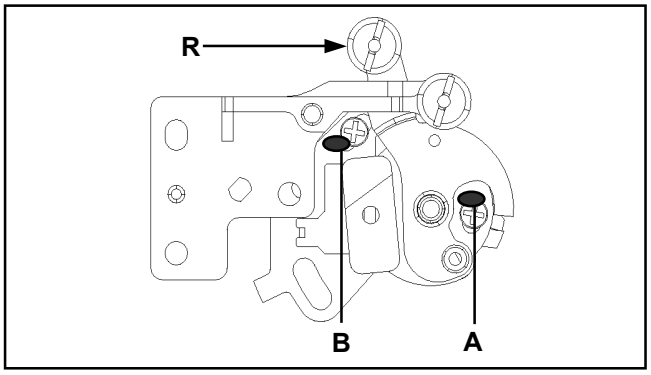


Figure 1-9-1

1-10. Tension Confirmation

MODE	PLAY, REV x-1
TAPE	66min. M-Cassette (Beginning)
TOOL	VFK1145A (Tension Meter)
SPEC.	PLAY: 59mN ± 10mN (6gf ± 1gf)

* Please calibrate Tension Meter before tension measurement by the following procedure.

<Calibration of the Tension Meter>

1. Attach the 7 grams calibration weight to DVCPRO tape. (The plumb is included in VFK1145.)
2. Set the above tape to the Tension Meter as shown in figure 1-10-1.
3. Pull up the tape at 33mm/sec speed to the direction of tape running, and calibrate the Meter so that the meter shows 68.6cN (7g).

* To calibrate Tension Meter the tape must be pulled up in the direction of tape path of VTR as shown in figure 1-10-1.

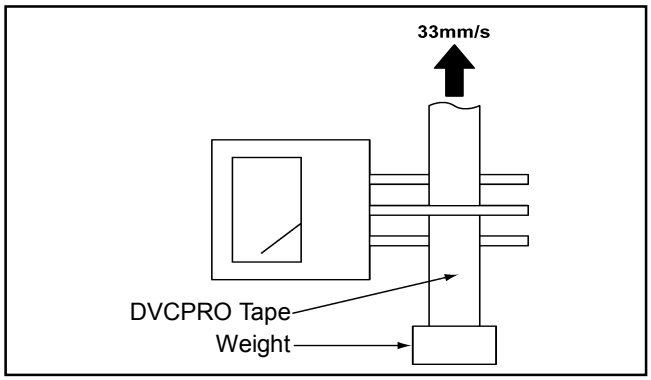


Figure 1-10-1

<Confirmation>

1. Play back the beginning of tape.
2. Insert the tension meter between S2 post and S3 post as shown in figure 1-10-2.
3. Confirm that the tension is within the specification.
4. If it is out of specification, follow the flowchart of the Tension Arm Adjustment.

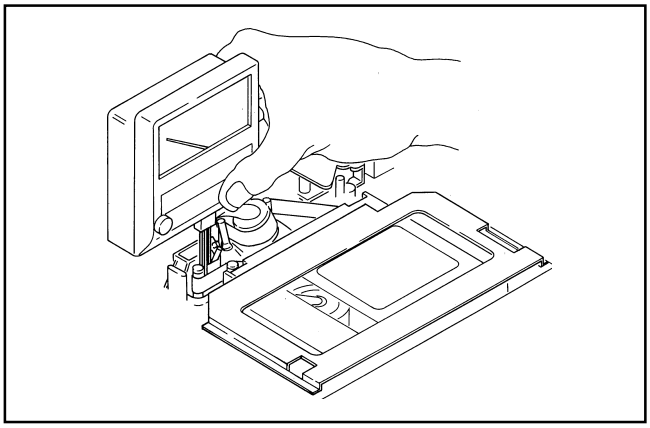
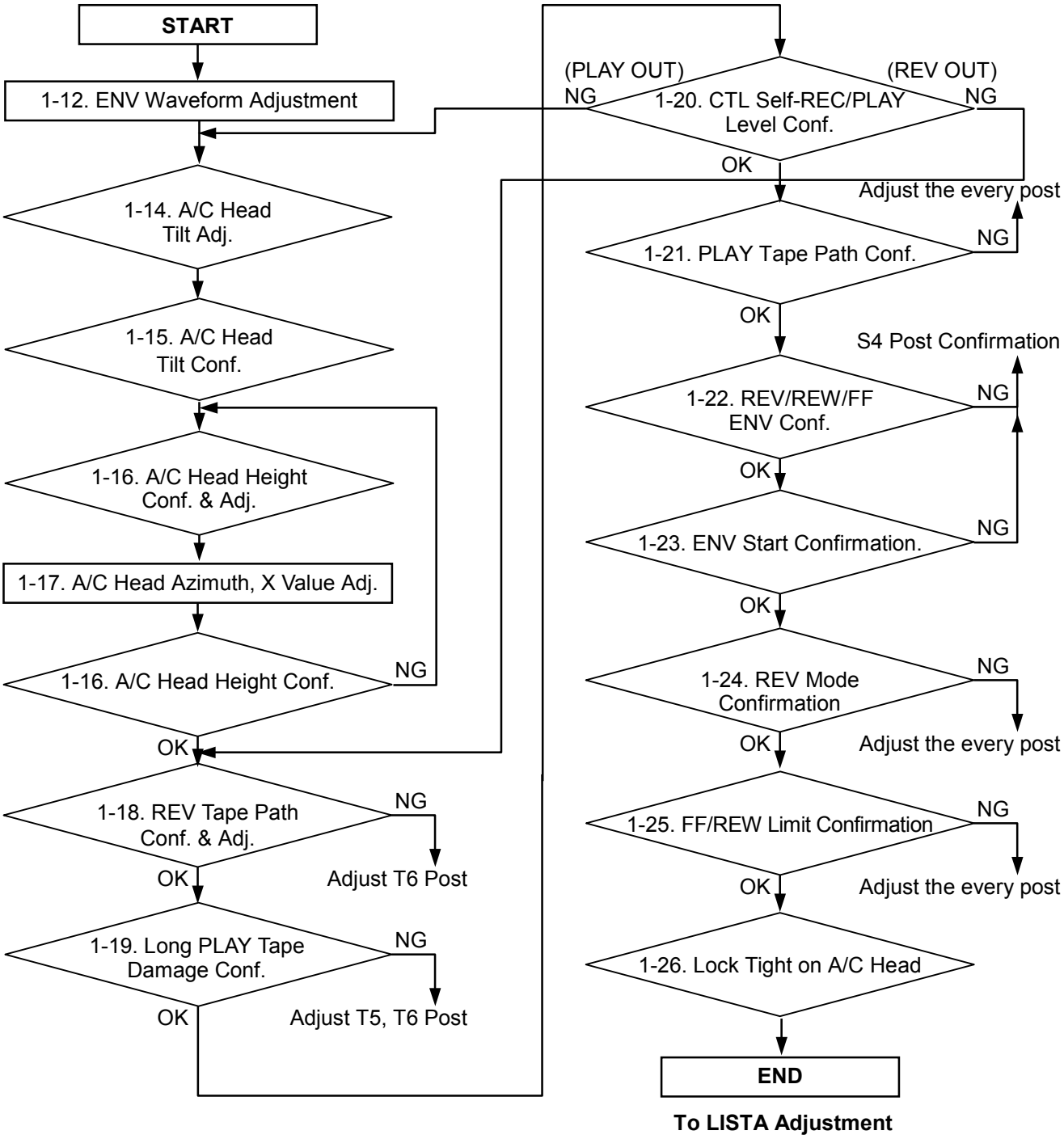


Figure 1-10-2

NOTE:
Do not use any alignment tape for this adjustment.
Pay attention not to damage the tape.

1-11. Tape Path Adj. Procedure



1-12. ENV Waveform Adjustment

TP	TP105: R/P L ENV (RF/EQ Board: Slot 1) TP5: R/P L HSW (RF/EQ Board: Slot 1)
ADJ.	S2, T2 Post Height
MODE	PLAY (ATF)
TAPE	VFM3580KM or VFM3580KL
M. EQ	Oscilloscope
TOOL	VFK1149B (Post Driver)
SPEC.	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8

1. Play back the alignment tape.
2. Adjust the T2 post and then the S2 post height so that the ENV output is within the specification.
   Upon adjusting the S2 and T2 posts, first make a post higher until the output becomes small, and then lower until the output becomes flat.
3. After the adjustment, unload and load a tape and confirm that the envelope is still in the specification as shown in figure 1-12-1.

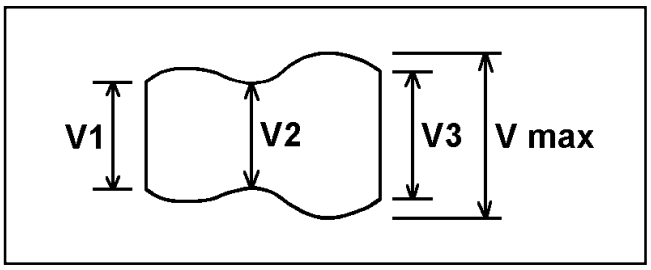


Figure 1-12-1

1-13. A/C Head Adjustment Method (Summery)

Adjustment Item	Screw	Adjustment Method	Torque
Tilt Adj.	A	1) Adjust screw (A) after loosen screw (G). Counter clockwise (Tighten) --- Decrease Cue Level. Clockwise (Loosen)--- Increase Cue Level 2) Tighten screw (G) after finishing adjusting the screw (A). (Refer to following item “Azimuth Fix”.)	(Adjustment)
Azimuth Adj.	F	1) Phase is adjusted by screw (F) after loosen screw (G). 2) Tighten screw (G) after finishing adjusting the screw (F). (Refer to following item “Azimuth Fix”.)	(Adjustment)
Azimuth Fix	G	Screw (G) should always be tightened during adjustment except Tilt and Azimuth adjustments.	10cN·m (1.0Kgf·cm)
Height Adj.	B	Counter clockwise (Tighten): In case CTL level increases by pressing down the A/C Head. Clockwise (Loosen): In case CTL level increases by lifting up the A/C Head. **NOTE 1: Please refer to figure 1-13-2 for the portion to lift up and press down the A/C Head.** **NOTE 2: To lift up and press down A/C Head, do it gently by finger.**	(Adjustment)
Height Fix	H	After the height adjustment, tighten screw (H) to fix height of A/C Head.	25cN·m (2.5Kgf·cm)
X-Value Adj.	C, D	1) Adjust X-Value at Hole (E) by VFK0357, then tighten the screw (C) and (D) to fix A/C Head horizontal position. 2) Tap the portion shown in the fig. 1-13-3 to confirm the phase shift.	25cN·m (2.5Kg·cm)

Screw	Tool for Adjustment
B	VFK1150A (5.5mm Nut Driver)
A, F	VFK1178A (0.89mm Hex Driver)
C, D, G, H	VFK1148A (1.5mm Hex Driver)
Hole E	VFK0357 (Eccentric Driver)

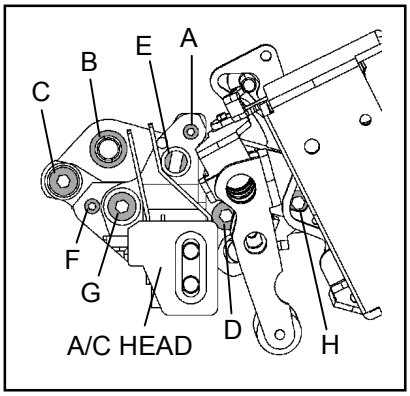


Figure 1-13-1
A/C Head Adjust Screws

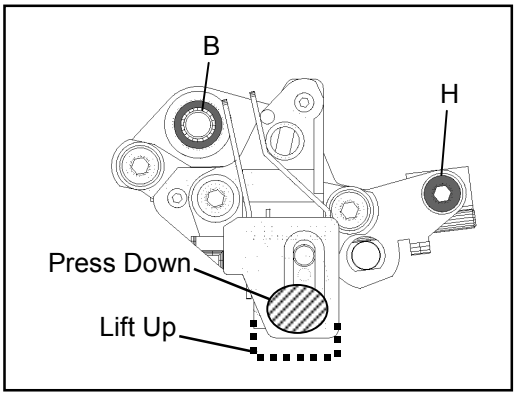


Figure 1-13-2
A/C Head Height Confirmation

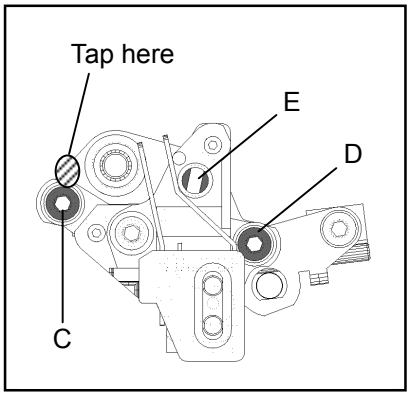


Figure 1-13-3
A/C Head X-Value Adjustment

1-14. A/C Head Tilt Adjustment

TP	A/C Head Screw (A), (G)
TOOL	VFK1586 (Mech. Neutral plate) VFK1589 (A/C Head Tilt Adjust Tool) VFK1154 (Post Height Adjust Tool) VFK1178A (0.89mm Hex Driver) VFK1148A (1.5mm Hex Driver)
SPEC.	There is no gap between A/C Head and Post Height Adjust Tool. (0° ± 10°)

1. Place the mechanical chassis in the loading completion mode.
2. Mount the A/C Head Tilt Adjust Tool on the Mech. Neutral Plate as shown in figure 1-14-2.
3. Put the Mech. Neutral Plate on the Reel Table.
4. Put the Post Height Adjust Tool along the slope portion of A/C Head Tilt Adjust Tool to A/C Head. Confirm that the Post Height Adjust Tool is fitted to the surface of the A/C Head.

< Note >:

Loosen the screw (G) and adjust the screw (A). Check the gap between the A/C head and post height adjustment tool after the tightening the screw (G) at specified torque.

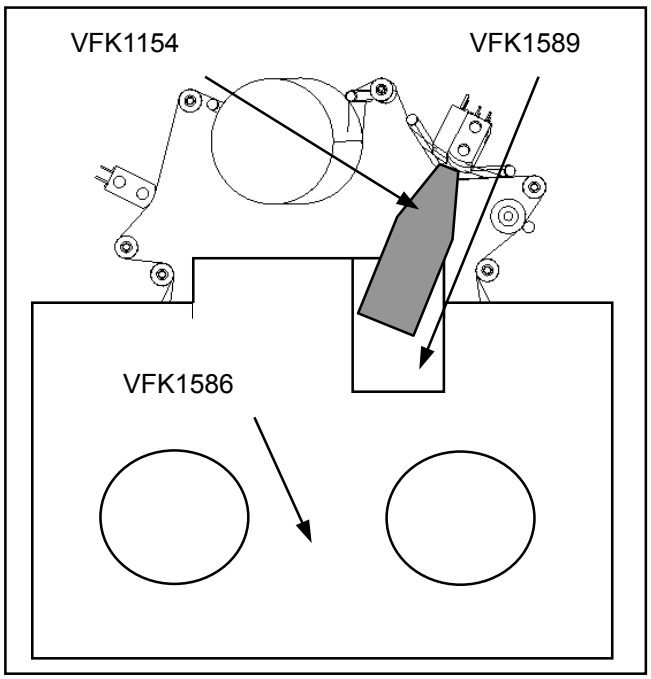


Figure 1-14-1

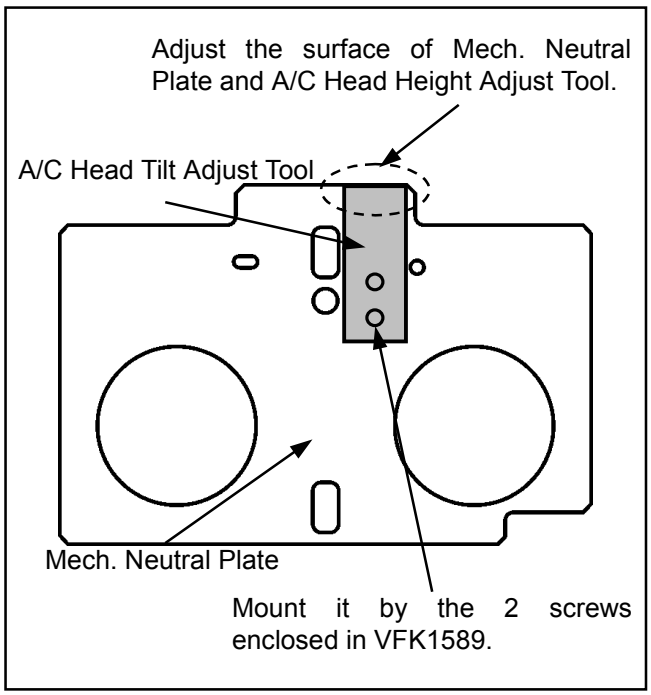


Figure 1-14-2

1-15. A/C Head Tilt Confirmation

TP	TP102: CUE AUDIO (RF_CUE Board)
MODE	PLAY
TAPE	VFM3580KM or VFM2580KL
M. EQ	Oscilloscope
SPEC.	A/Amax ≥ 0.8

1. Confirm the screws (G) and (H) are tightened on A/C head.
2. Play back the 6MHz CUE AUDIO portion of the alignment tape.
3. Press the Tension Arm to the direction P as shown in the figure 1-15-2. Confirm that the fluctuation of output level is within the specification as shown in figure 1-15-1.

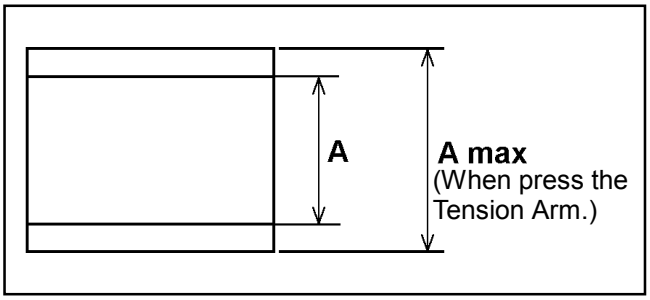


Figure 1-15-1

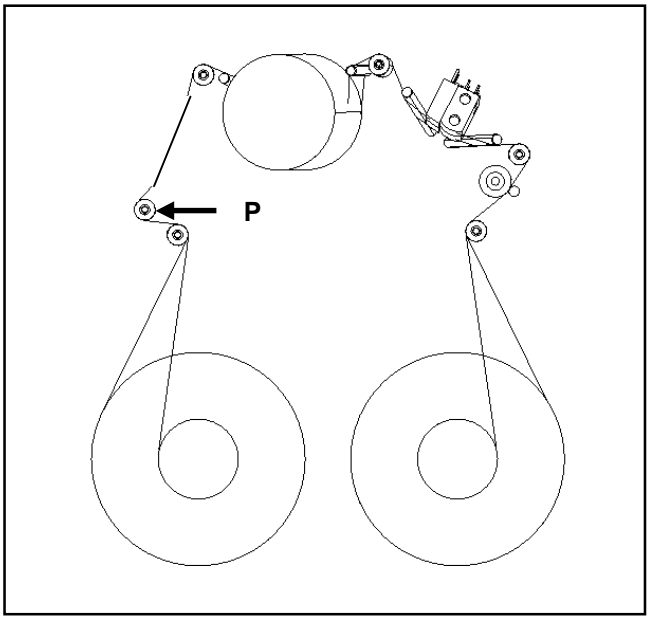


Figure 1-15-2

1-16. A/C Head Height Confirmation & Adjustment

TP	TP102: CUE AUDIO (RF_CUE Board) TP2: CTL (A_PROC Board: Slot 2)
ADJ.	Screw B, H (A/C Head)
MODE	25M Mode PLAY
TAPE	VFM2580KM or VFM2580KL
TOOL	VFK1150A (5.5mm Nut Driver), VFK1148A (1.5mm Hex Driver)
SPEC.	A/Amax ≥ 0.95, C1, C2 ≥ 2.0 V

1. Press down and lift up the A/C Head lightly, and confirm that the CTL and CUE output level is within the specification. (Please refer to the figure 1-13-2 where to lift up and press down.)
2. If it is out of specification, adjust the height to maximize the CUE output level by loosing the screw (H) and turning the screw (B).
3. After adjustment, tighten the screw (H) and confirm the condition.
4. A/C Head Height Adjustment should be done alternately with Azimuth/X-Value Adjustment.

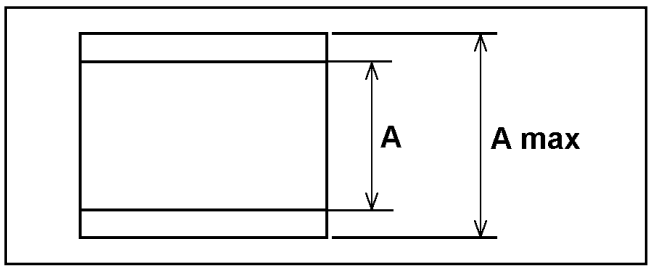


Figure 1-16-1

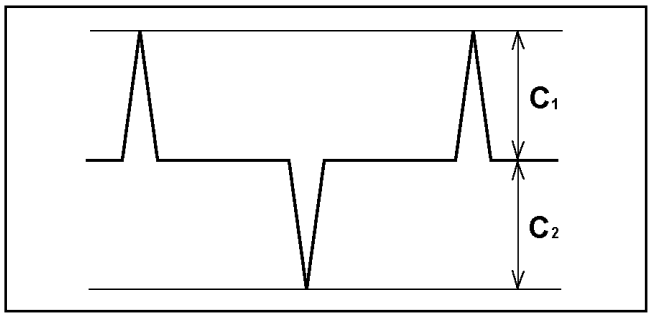


Figure 1-16-2

1-17. A/C Head Azimuth and X-Value Adjustment

SPEC.	1. HDLP Mode: 250us ≤ t1, t2 ≤ +250us 50M Mode: 125us ≤ t1, t2 ≤ +125us 2. X-Value: 27 or Less (Select "X-Value HDLP" on the Service Mnuand confirm the X-Value.)	**TP**	TP105: R/P L ENV (RF EQ Board: Slot 1) TP5: R/P L HSW (RF EQ Board: Slot 1) TP102: CUE (RF CUE Board: Slot 2) TP4: CTL (A PROC Board: Slot 2)
		M. EQ	Oscilloscope
		TOOL	VFK0357 (Eccentric Driver) VFK1148A (Hex Driver) VFK1209A (Torque Driver) VFK0912 (Post Axis Driver)
ADJ.	A/C Head		
MODE	See below		
TAPE	VFM3582KM or VFM3582KL		

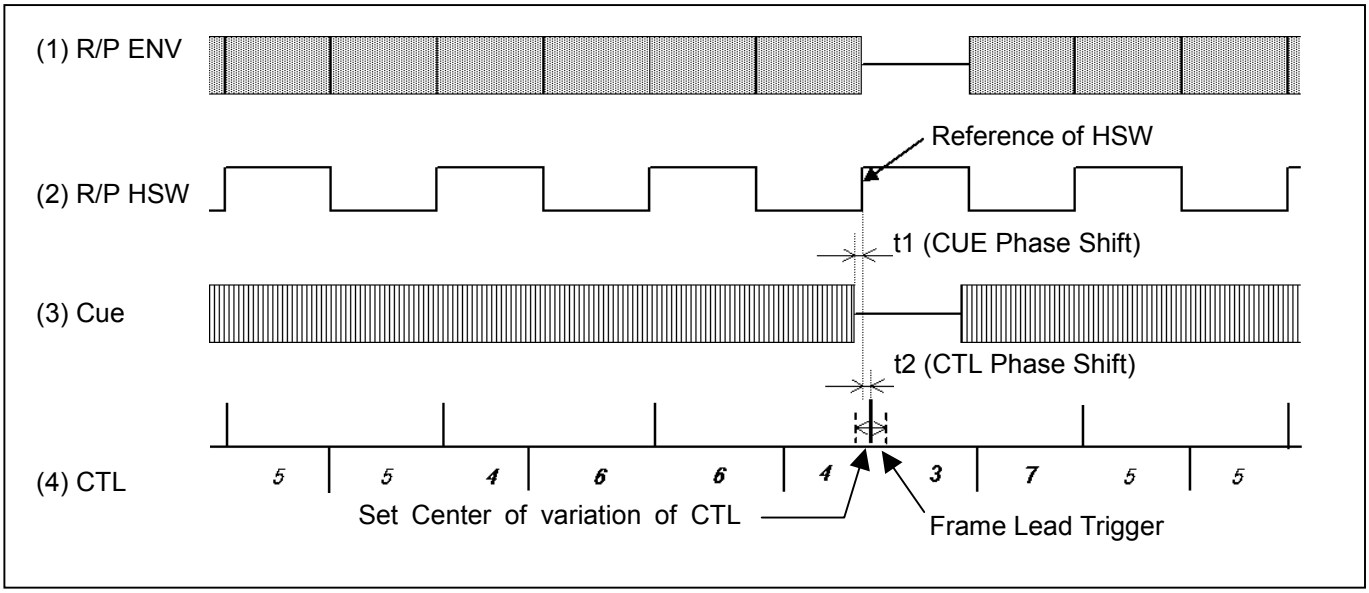


Figure 1-17-1

1. Play back the X-Value Alignment Tape in the 50M mode.
2. Adjust the Azimuth so that the reference CTL matches with non-recorded portion of the CUE in the phase (t2). (Refer to the Paragraph “1-13. A/C Head Adjustment Procedure”)
3. Confirm the non-recorded portion of R/P ENV, and select proper HSW.
4. Adjust X-Value so that the reference of HSW matches with the CTL frame lead trigger in the phase (t1). To adjust X-value, loosen the screws (C) and (D), and adjust the hole (E) by using the Eccentric Driver. At this time adjust the phase simultaneously with the Azimuth so that the CTL and CUE phase is kept.
5. After tightening the every screw on the A/C Head, tap the top plate (portion as shown in figure 1-13-3) of A/C Head, and then confirm the phase does not shift.
6. Select the SERVO ADJUST menu on the Service Menu, and select the item “A13: X-VALUE HDLP”.
7. Play back the Alignment Tape, and press the “F” button and confirm that the “PLAY ALIGNMENT TAPE OK?” message appears.
8. Press the “F” button for more than 3 seconds so that the measuring value is displayed on the screen.

1-18. REV Tape Path Confirmation and Adjustment (T6 Post Height)

ADJ.	T6 Post Height
TP	TP4: A PROC Board (Slot 2)
MODE	25M PLAY (+1) 25M REV (-1):
TAPE	VFM3582KM or VFM3582KL
TOOL	VFK1148A (Post Driver)
SPEC.	C1 ≥ Cp1 x 0.75 C2 ≥ Cp2 x 0.75 Lower limit at T5 post in REV –1.0 mode. Tape has no curl and bent at T5 and T6 Post.

<How to place the VTR in the REV -X1>

1) Open the service menu.
2) Press the both “PLAY” and “REW” button together in the VTR operation mode.

1. Perform 1x and –1x playback alternately. Confirm the CTL output level is within the specification in the figure 1-18-1. If it is out of specification, adjust the T6 Post Height.
2. When adjusting a post, try it by 45 degrees step.
3. Place the unit in the –x1 playback again, and confirm that the CTL output level (C1/ C2) is more than 75% of the normal playback (CP1/ CP2).
   Also confirm that the limit condition of the P5 and P6 posts is as shown in figure 1-18-1.
4. If it is out of specification, adjust T6 post height. “1-2. Post Height Pre-Adjustment”.

< Post Limit >

Post	A	B	C	D	E	F
T5	NG	NG	OK	NG	NG	NG
T6	OK	OK	OK	NG	NG	NG

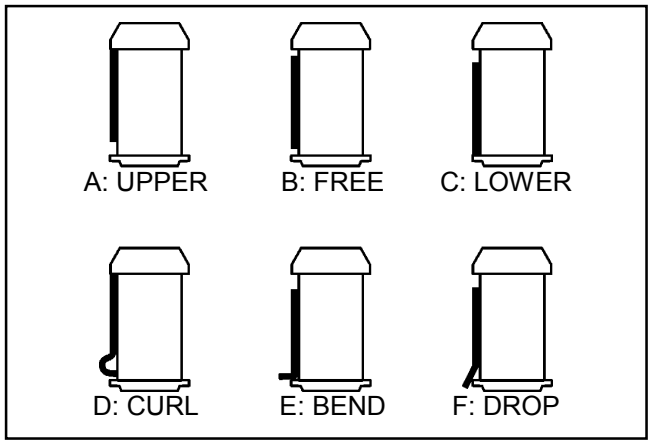


Figure 1-18-1

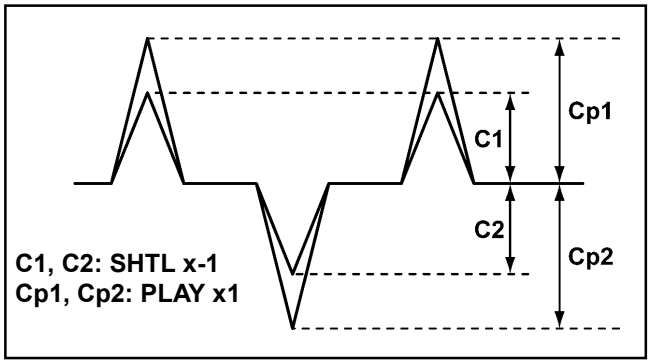


Figure 1-18-2

1-19. Long PLAY Tape Damage Confirmation CUE/REV Damage Confirmation

MODE	Change CUE and REV x-1 mode alternately
TAPE	Long PLAY Tape L-Cassette (Beginning) (AJ-5P93LP: Recorded Tape)
SPEC.	No damage on the tape at T5 and T6 posts

1. Prepare a 50M recorded tape.
   Confirm that there is no tape damage in intermittent mode and while switching CUE and REV.
2. If it is out of specification, adjust T5 and T6 posts height by following the Paragraph “1-2. Post Height Pre-Adjustment”.

Note :
See page MECH-1 for post location.

1-20. CTL Self-REC/PLAY Output Level Confirmation

TP	TP4: A PROC Board (Slot 2)
MODE	PLAY REV x 1 REV x 0.2
TAPE	Blank M Cassette Tape
M. EQ	Oscilloscope
SPEC.	See below

(Specification)

CTL Output Level: C1, C2		
PLAY	REV x -1	REV x -0.2
C1,C2 ≥ 1.8V	C1,C2 ≥ 1.4V	C1,C2 ≥ 1.2V

1. Confirm all screws of the A/C Head are fixed.
2. Record and play back any signal. Confirm that the CTL output level on each mode is within the specification.
3. In case PLAY mode is out of specification, confirm the A/C Head Height again. (Refer to Paragraph "1-16. A/C Head Height Confirmation".)
4. In case REV x-1 mode is out of specification, confirm the T6 Post Height again. (Refer to Paragraph "1-18. REV Tape Path Confirmation and Adjustment".)

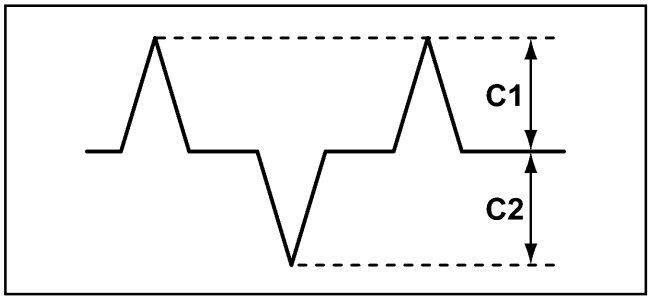


Figure 1-20-1

1-21. PLAY Tape Path Limit Confirmation

MODE	PLAY
TAPE	VFM3580KM or VFM3580KL
SPEC.	See below

1. Play Back the tape and confirm the post limits by eyes.

Post Name	Tape Limit (see figure)					
	A	**B**	**C**	**D**	**E**	**F**
S4 Post	NG	OK	OK	NG	NG	NG
S3 Post	NG	NG	OK	NG	NG	NG
S2 Post	OK	NG	NG	NG	NG	NG
T2 Post	OK	NG	NG	NG	NG	NG
T5 Post	NG	NG	OK	NG	NG	NG
T6 Post	OK	OK	OK	NG	NG	NG

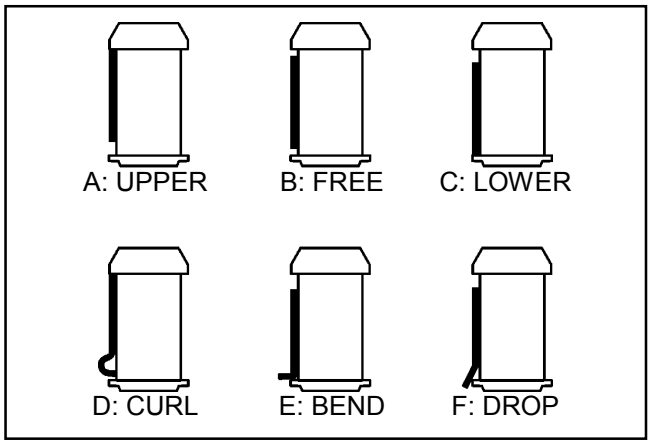


Figure 1-21-1

2. If any is out of specification, confirm an appropriate adjustment point.

Post Name	Adjust	Procedure
S4 Post	S3, S4 Post	Post Height Pre-Adjustment
S3 Post		
S2 Post	S2, T2 Post	Envelope Waveform Adjustment
T2 Post		
T5 Post	T5 Post	Post Height Pre-Adjustment
T6 Post	T6 Post	

Note :
See page MECH-1 for post location.

1-22. Envelope Confirmation on REV/REW/FF mode

TP	TP105: A PROC Board (Slot 2) TP5: A PROC Board (Slot 2)
MODE	REV, REW, FF
TAPE	VFM3580KM or VFM3580KL
M. EQ	Oscilloscope
SPEC.	Waveform should be Diamond Style. All the peak level should be more than 90% of maximum level. V/V max ≥ 0.9

1. Confirm that the envelope in REV, REW and FF mode is as follows:
   - Waveform must be diamond shape.
   - All peak levels must be more than 90% of maximum level.
     V/V max ≥ 0.9
2. If it is out of specification, adjust S3 post height. (Refer to the paragraph "1-2. Post Height Pre-Adjustment".)

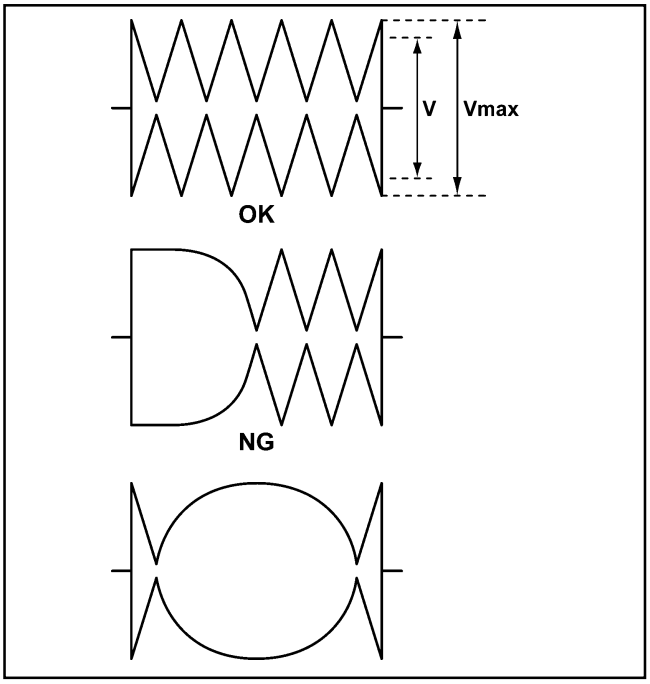


Figure 1-22-1

1-23. Envelope Start Confirmation

TP	TP105: A PROC Board (Slot 2) TP5: A PROC Board (Slot 2)
MODE	REW/REV → PLAY, FF → PLAY Loading completion → PLAY,
TAPE	Beg. of L-Cassette (123 min., Recorded)
M. EQ	Oscilloscope
SPEC.	Envelope comes immediately

This adjustment must be done after "Envelope Waveform Adjustment".

1. Confirm that the envelope comes immediately, when the mode switches from REW to PLAY, REV to PLAY, FF to PLAY and Lording to PLAY and STBY OFF to PLAY mode.
2. If it is out of specification, adjust the post height of the S3 post. (Refer to the paragraph "1-2. Post Height Pre-Adjustment".)

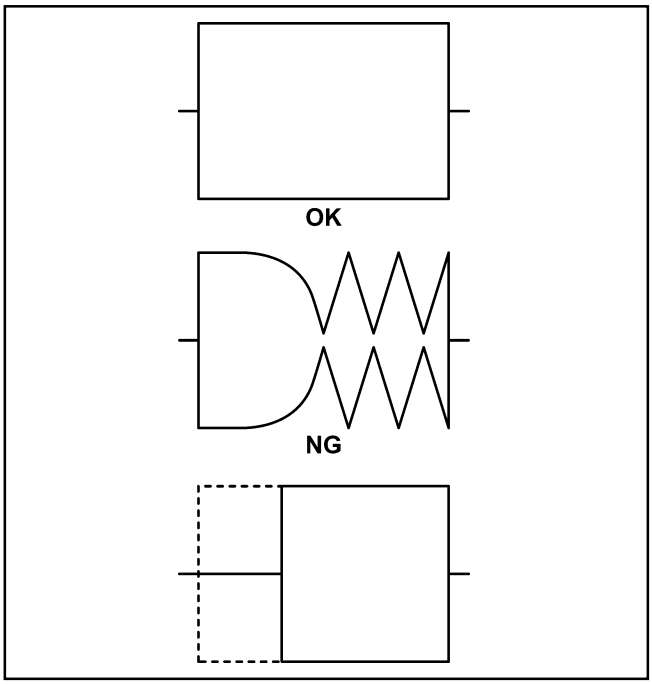


Figure 1-23-1

1-24. REV mode Confirmation

MODE	REW
TAPE	VFM3580KM or VFM3580KL
SPEC.	See below

1. Place the unit in REV mode and confirm each post limit.
2. This confirmation must be done after all tape path adjustments.

Post Name	Tape Limit (see figure)					
	A	**B**	**C**	**D**	**E**	**F**
S4 Post	OK	OK	OK	NG	NG	NG
S3 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S2 Post	OK	NG	NG	NG	NG	NG
T2 Post	OK	OK	OK	NG	NG	NG
T5 Post	NG	NG	OK	NG	NG	NG
T6 Post	OK	OK	OK	NG	NG	NG

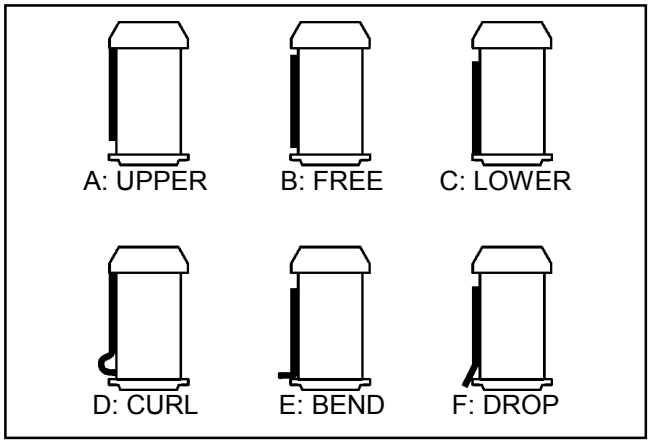


Figure 1-24-1

Note :

See page MECH-1 for post location.

1-25. FF/REW mode Limit Confirmation

MODE	FF, REW
TAPE	VFM3580KM or VFM3580KL
SPEC.	See the following table.

1. Place the unit in FF and REW mode and confirm each post limit.
2. This confirmation must be done after all tape path adjustments.

Post Name	Tape Limit (see figure 1-24-1)					
	A	**B**	**C**	**D**	**E**	**F**
S4 Post	OK	OK	OK	NG	NG	NG
S3 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S2 Post	OK	NG	NG	NG	NG	NG
T2 Post	OK	OK	OK	NG	NG	NG
T5 Post	OK	OK	OK	NG	NG	NG
T6 Post	OK	OK	OK	NG	NG	NG

1-26. Lock Tight on A/C Head

<A/C Head Screw Lock Tight>

	Screw A, F	**Screw G**
Lock Tight Glue Quantity	Half of the Screw G	1/3 of the Screw

1. Fix the screw by the Lock Tight Glue after A/C Head Adjustment as shown in the figure below.
2. Remove the screw lock tight upon the adjustment.

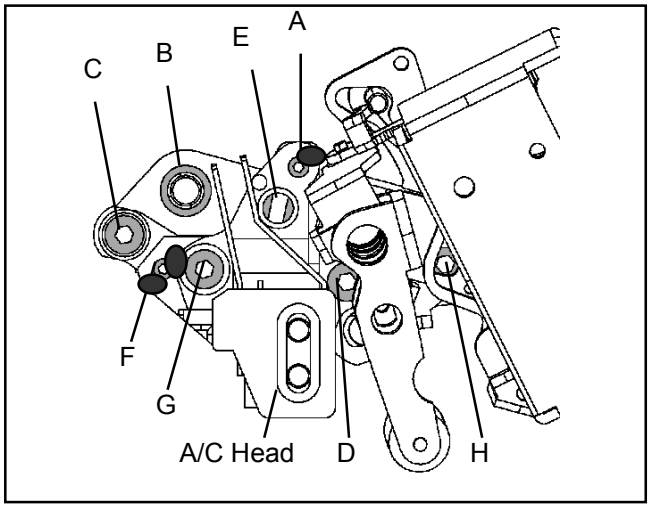
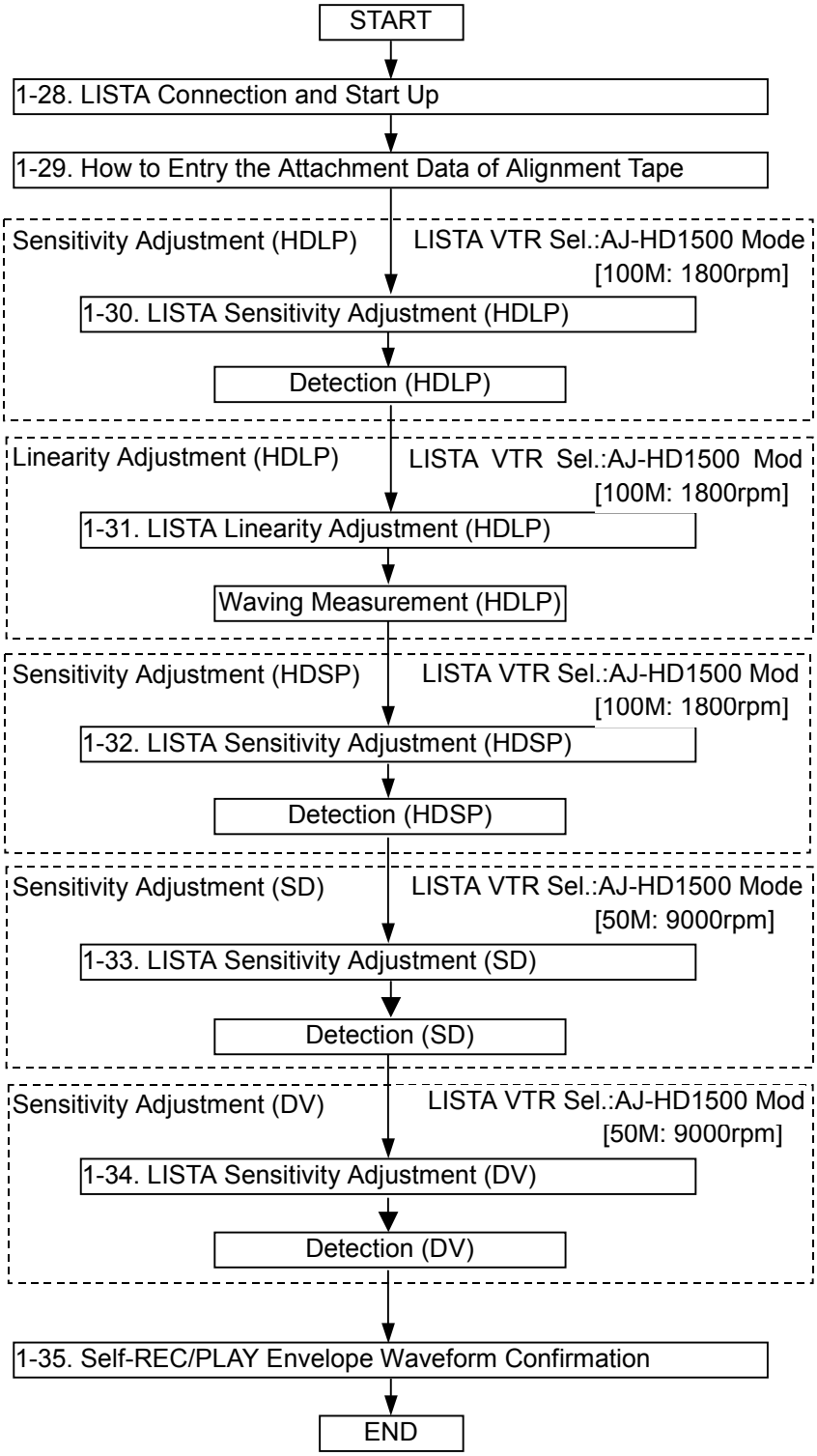


Figure 1-26-1

1-27. LISTA Adjustment Procedures

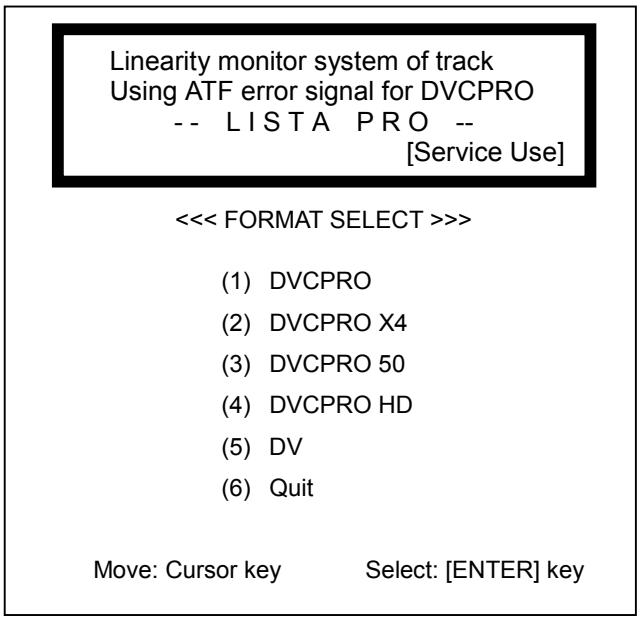


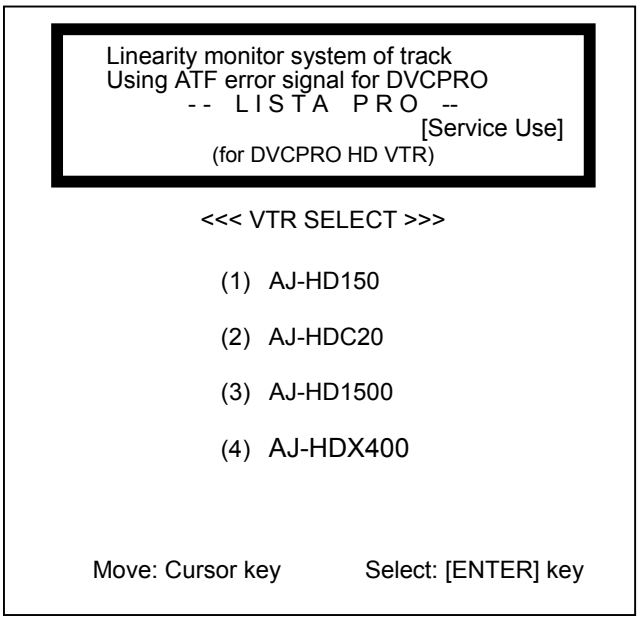
1-28. LISTA Connection and Start Up

TAPE	VFM3781KML (LISTA), VFK3581KM/L (LISTA), VFM3000EDS (DV LISTA)
M. EQ	Personal Computer with A/D Board installed (Requires Window 95® or 98® and computer must have LSA slot.)
TOOL	VFK1481N (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (A/D Converter Board)
TP	TP405: ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP402: ATF ERR PBR13 (RF/EQ Board: Slot 1) TP5: R/P L HSW (RF/EQ Board: Slot 1) TP7: TR L HSW (HDSP/50) (RF/EQ Board: Slot 1) TP2: PB R13 HSW (DV) (RF/EQ Board: Slot 1)

1. Create a directory and copy all files on the floppy disk (VFK1481N: LISTA Software) to the new directory. (**i.e.:** C: \ LISTA)
2. Connect the LISTA cable to A/D Board in the PC.
3. Connect the clips of the LISTA cable to test points on the P.C.Board. (Refer to Items “Sensitivity Adjustment” and “Linearity Adjustment”.)
4. Execute the LISTA software on DOS mode by typing ‘LISTA’ and pressing ENTER key.
5. When the **<<< FORMAT SELECT >>>** display appears, select <4> DVCPRO HD.
6. When the **<<< VTR SELECT >>>** display appears, select the item “<3>AJ-HD1500” according to the adjustment item as shown the table below.

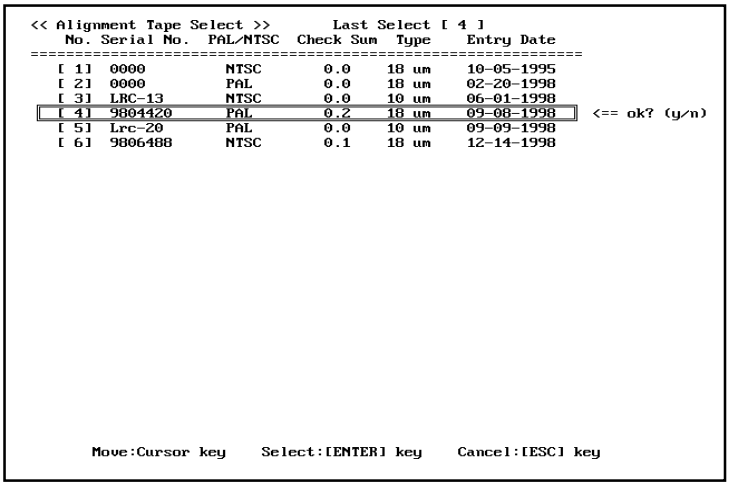
Adjustment Item	VTR SELECT	FORMAT	Alignment Tape
HDLP Sensitivity Adjustment	AJ-HD1500	100M: 1800rpm	VFM3781KML
HDLP Linearity Adjustment			
HDSP Sensitivity Adjustment			VFM3581KM or KL
SD Sensitivity Adjustment		50M: 9000rpm	
DV Sensitivity Adjustment			VFM3000EDS



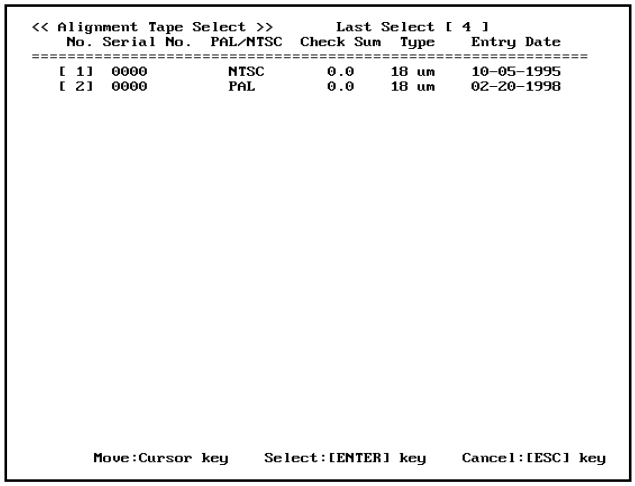


7. Select the Serial number of the Alignment tape on the screen. If the alignment tape to be used is not registered, the compensation data needs to be entered. Press the ESC key, and select the item “<4> Alignment Tape” in the main menu.

< In case Alignment Tape data is already registered >

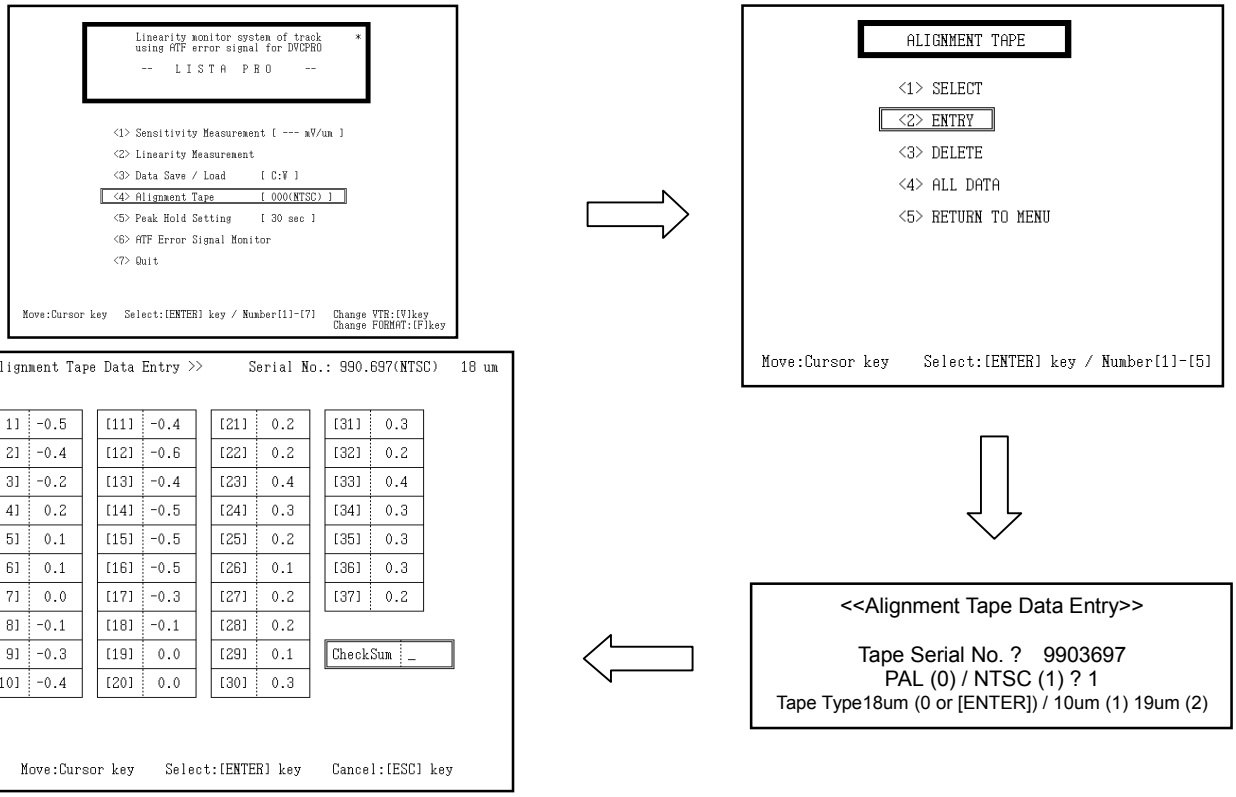


< In case Alignment Tape data is not registered >



1-29. How to Entry the Attachment Data of Alignment Tape

1. Select the item “<4> Alignment Tape” on the LISTA main menu.
2. Select the item “<2> ENTRY” on the alignment menu.
3. In the <<Alignment Tape Data Entry>> screen, input the Serial Number of alignment tape. And input the number “0” or “1” to select the PAL/NTSC. And select the type; “0” for DVCPRO, “1” for DV, or “2” for HDLP.
4. Input the numerical value on the data sheet. If inputting a wrong number.
5. After entry of data, select “<1> SELECT” on the Alignment Tape Menu and select the serial number of the alignment tape.



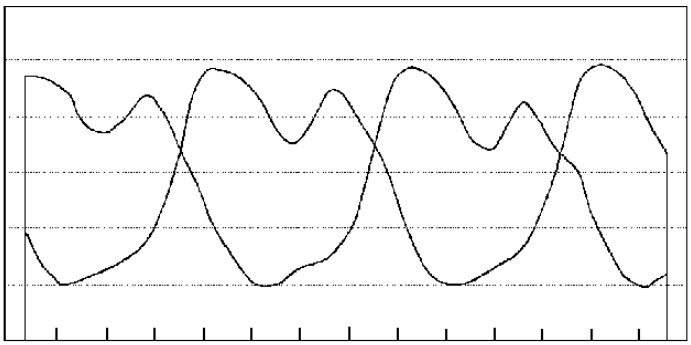
(Numbers are sample only, you must load correct numbers from Alignment Tape.)

1-30. LISTA Sensitivity Adjustment and Detection (HDLP)

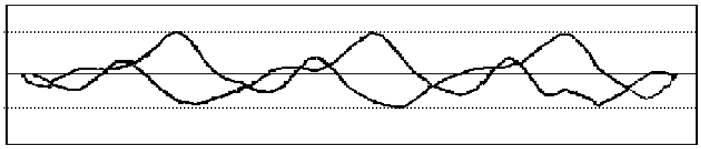
TP	TP405 : ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP5 : R/P L HSW (RF/EQ Board: Slot 1) TG1 : GND (RF/EQ Board: Slot 1)
ADJ. (ATF GAIN)	Service menu: **A08: RPL GAIN HDL**
MODE	PLAY
LISTA	AJ-HD1500 [100M:1800rpm]
TAPE	VFM3781KML (LISTA)
SPEC.	150 ± 15 mV/um

1. Select “<3>AJ-HD1500” [100M: 1800rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST menu and select A08: RPL GAIN HDL.
4. Play back the LISTA Alignment Tape.
5. Select the item “<6> ATF Error Signal Monitor” on the LISTA main menu, and when message “1.2% Speed. . .” appears, press the Enter key.
6. Adjust EVR so that the “Sens. Value 1” on the upper right corner of the screen is within the specification.
7. After the adjustment, press the ESC key to return to the main menu.

<<< 100M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 150.61 mV/um

Sens. L1: 149.43 mV/um

Sens. L2: 151.78 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A08: RPL GAIN HDL.
3. Play Back the LISTA Alignment Tape.
4. Select the item “<1> Sensitivity Measurement” on the LISTA main menu, and then “1.2% Speed. . .” appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and “Sensitivity = Sensitivity Value” are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the “Sensitivity Adjustment” again.

<< Sensitivity Measurement Finish >>

Sensitivity (100M) **150.00 (mV/um)**

Sens. L1 **149.50 (mV/um)**

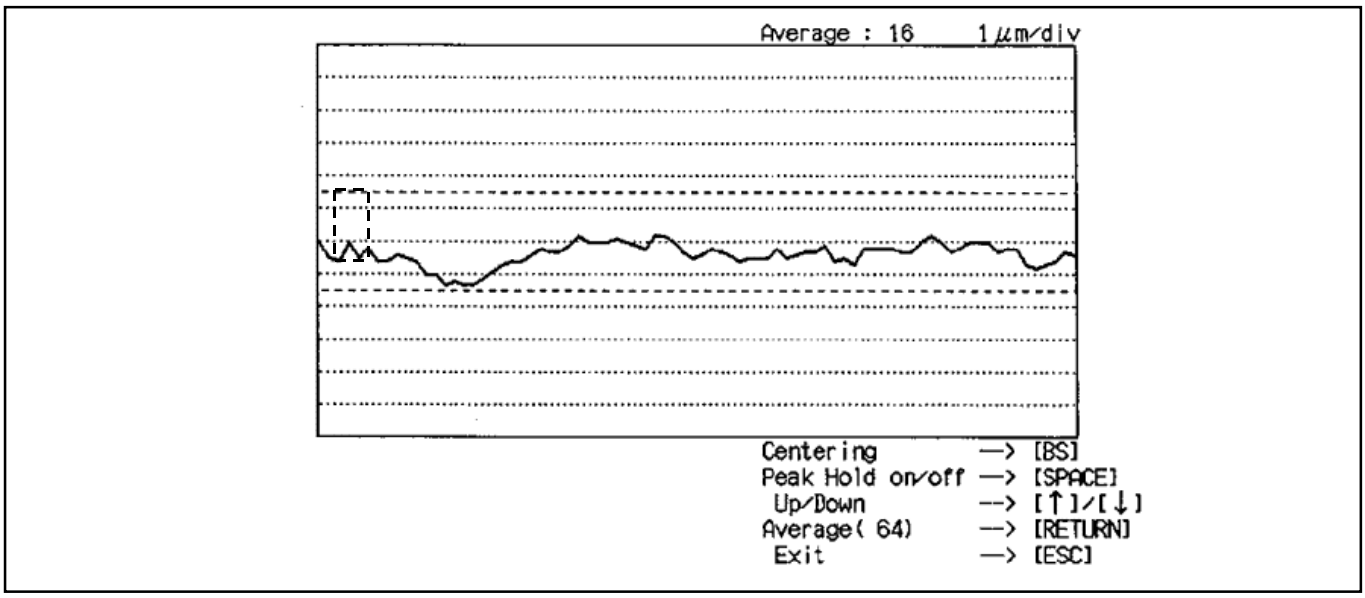
Sens. L2 **150.50 (mV/um)**

Measurement Result

1-31. LISTA Linearity Adjustment and Waving Measurement

TP	TP405: ATF ERR RPL/TRL (RF/EQ Board: Slot 1), TP5: R/P L HSW (RF/EQ Board: Slot 1), TG1: GND (RF/EQ Board: Slot 1)
ADJ.	S2 and T2 Post height Service menu: **A09 RPL LIN HDLP**
MODE	PLAY
TAPE	VFM3781KML (LISTA)
LISTA	AJ-HD1500 [100M: 1800rpm]
TOOL	VFK1149B (Post Driver)
SPEC.	Linearity: less than 3um, Waving: less than 1.5um

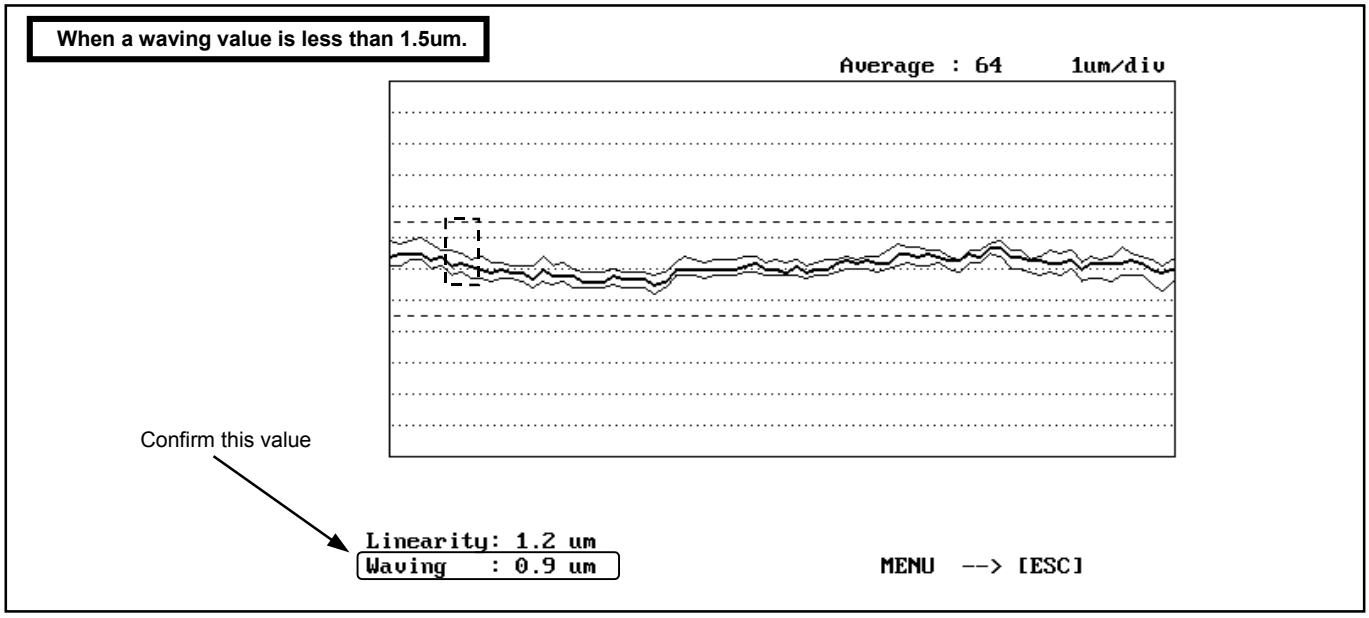
1. Select “<3> AJ-HD1500” [100M: 1800rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST Menu and select the **A09: RPL LIN HDLP** menu.
4. Play Back the LISTA Alignment Tape.
5. Select the item “<2> Linearity Measurement” on the LISTA Main Menu, then Linearity Waveform appears.
6. When the waveform is displayed on the screen, press the “BS (Back Space)” key to cauterize the waveform. Adjust S2 and T2 post heights by using the post driver so that the linearity waveform becomes as flat as possible.
   (♦ Adjust linearity waveform between the red dot lines on the screen. Disregard the bending part at the exit side and the square at the entrance side.)
7. After the Linearity Adjustment, measure the numerical value of linearity and waving by pressing the space key.

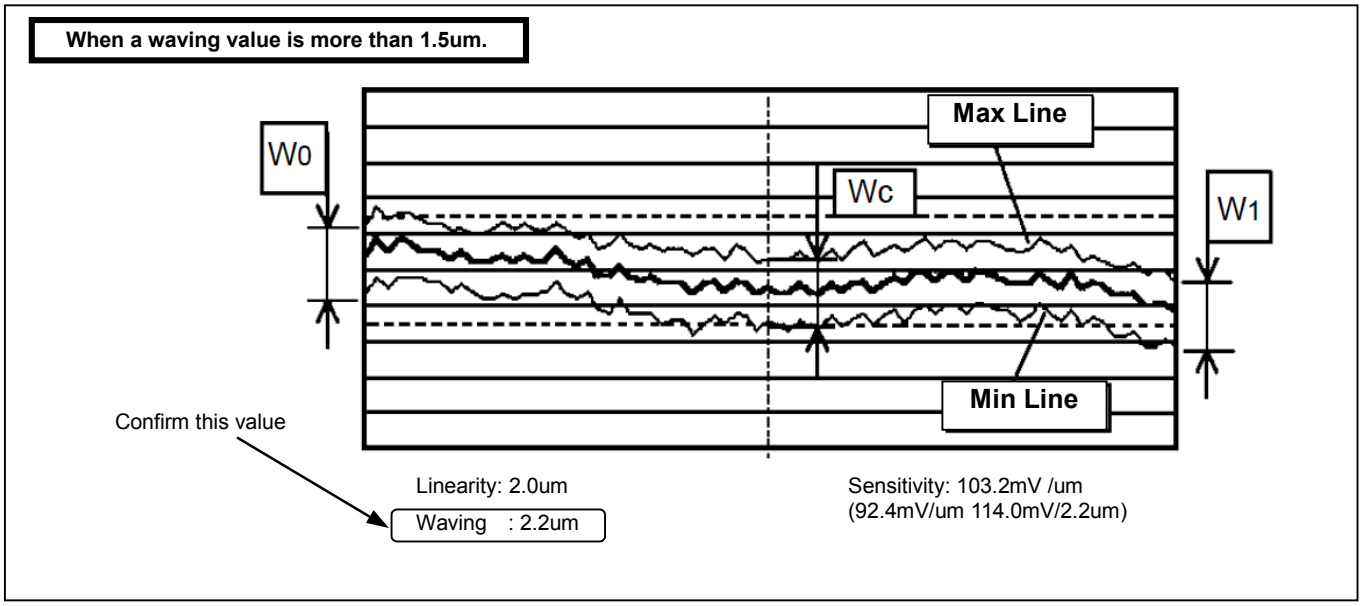


POINT:
The left side of waveform (entrance side) is adjusted by height of S2 post and the right side of waveform (exit side) is adjusted by height of T2 post.
Lower part of above waveform is displayed as the cylinder lead.
When the post driver is removed from a post, linearity waveform may change.
After finishing this adjustment, eject the tape and insert the tape again to confirm that the shape of linearity waveform does not change.

Waving Measurement Procedures

1. Press “SPACE” key to perform the Peak Hold in 30 seconds while linearity is displayed.
2. After sampling the Peak Hold, press “SHIFT” and “ } ” key simultaneously on the Key Board, then the numerical values of “Linearity” and “Waving” are displayed. Confirm that the numerical values are in the specification. Also confirm that the waving level is almost equal from the entrance to the exit side. If the “Linearity” or “Waving” is out of specification, adjust height of S2 or T2 post.
3. Press the ESC key to return to the main menu.





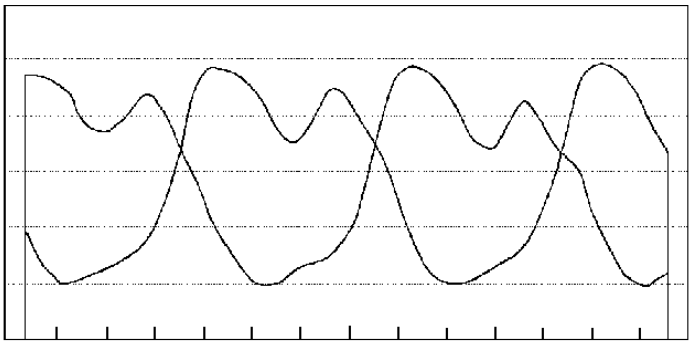
1-32. LISTA Sensitivity Adjustment and Detection (HDSP)

TP	TP405 : ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP7 : R/P L HSW [HDSP/50] (RF/EQ Board: Slot 1) TG1 : GND (RF/EQ Board: Slot 1)
ADJ. (ATF GAIN)	Service menu: A10: RPL GAIN HDS
MODE	PLAY
LISTA	AJ-HD1500 [100M: 1800rpm]
TAPE	VFM3581KM or VFM3581KL [DVCPRO LISTA]
SPEC.	100 ± 10 mV/um

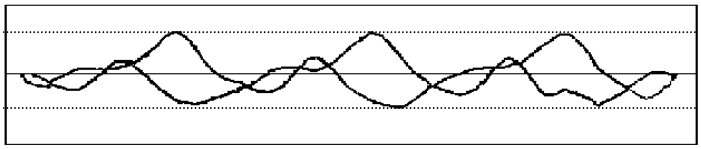
<Sensitivity Adjustment Procedure>

1. Select the AJ-HD1500 [100M: 1800rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
4. Open the SERVO ADJUST menu and select A10: RPL GAIN HDS menu.
5. Play back the LISTA Alignment Tape.
6. Select the item “<6> ATF Error Signal Monitor” on the LISTA main menu, and when message “1.2% Speed. . .” appears, press the Enter key.
7. Adjust EVR so that the “Sens. Value 1” on the upper right corner of the screen is within the specification.
8. After the adjustment, press the ESC key to return to the main menu.

<<< 100M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 150.61 mV/um

Sens. L1: 149.43 mV/um

Sens. L2: 151.78 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A10: RPL GAIN HDS.
3. Play Back the LISTA Alignment Tape.
4. Select the item “<1> Sensitivity Measurement” on the LISTA main menu, and then “1.2% Speed. . .” appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and “Sensitivity = Sensitivity Value” are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the “Sensitivity Adjustment” again.

<< Sensitivity Measurement Finish >>

Sensitivity (100M) **150.00 (mV/um)**

Sens. L1 **149.50 (mV/um)**

Sens. L2 **150.50 (mV/um)**

Measurement Result

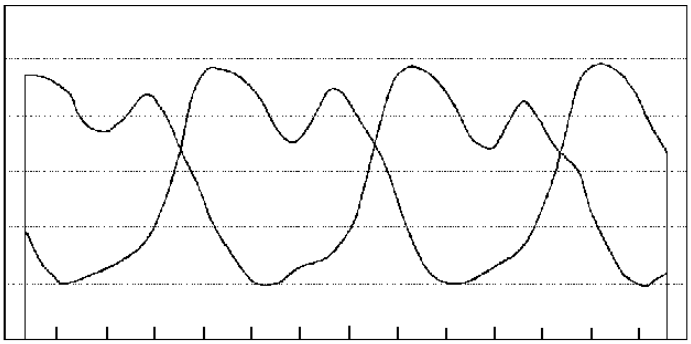
1-33. LISTA Sensitivity Adjustment and Detection (SD)

TP	TP405 : ATF ERR RPL/TRL (RF/EQ Board: Slot 1) TP4 : TR L HSW (RF/EQ Board: Slot 1) TG1 : GND (RF/EQ Board: Slot 1)
ADJ. (ATF GAIN)	Service menu: **A11: RPL GAIN 50**
MODE	PLAY
LISTA	AJ-HD1500 [50M: 9000rpm]
TAPE	**VFM3581KM or VFM3581KL [DVCPRO LISTA]**
SPEC.	100 ± 10 mV/um

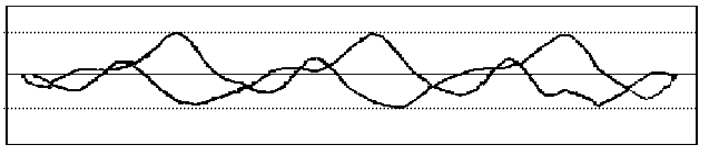
<Sensitivity Adjustment Procedure>

1. Select the "<1> AJ-HD1500" [50M: 9000rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST menu and select "A11: TRL GAIN 50".
4. Play back the LISTA Alignment Tape.
5. Select the item "<6> ATF Error Signal Monitor" on the LISTA main menu, and when message "1.2% Speed…." appears, press the Enter key.
6. Adjust EVR so that the "Sens. Value 1" on the upper right corner of the screen is within the specification.
7. After the adjustment, press the ESC key to return to the main menu.

<<< 50M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 103.62 mV/um

Sens. L1: 102.36 mV/um

Sens. L2: 104.88 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A11: RPL GAIN 50.
3. Play Back the LISTA Alignment Tape.
4. Select the item "<1> Sensitivity Measurement" on the LISTA main menu, and then "1.2% Speed. . ." appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and "Sensitivity = Sensitivity Value" are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the "Sensitivity Adjustment" again.

<< Sensitivity Measurement Finish >>

Sensitivity (50M) 103.62 (mV/um)

Sens. L1 **102.36 (mV/um)**

Sens. L2 **104.88 (mV/um)**

Measurement Result

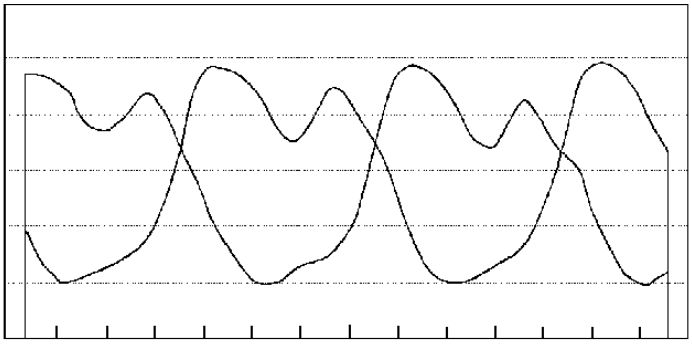
1-34. LISTA Sensitivity Adjustment and Detection (DV)

TP	TP402 : ATF ERR PBR13 (RF/EQ Board: Slot 1) TP2 : R/P R HSW (DV) (RF/EQ Board: Slot 1)
ADJ. **(ATF GAIN)**	Service menu: **A12: RPR GAIN DV**
MODE	PLAY
LISTA	AJ-HD1500 [50M: 9000rpm]
TAPE	**VFM3000EDS (DV LISTA)**
SPEC.	150 ± 30 mV/um

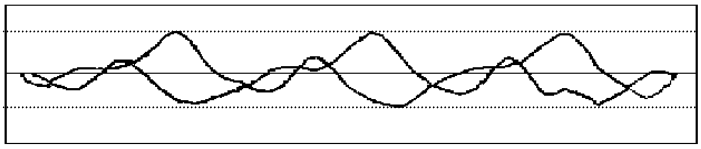
<Sensitivity Adjustment Procedure>

1. Select the AJ-HD1500 [50M: 9000rpm] on the LISTA software.
2. Connect the LISTA cable to the Test Points.
3. Open the SERVO ADJUST menu and select A12: RPR GAIN DV menu
4. Play back the LISTA Alignment Tape.
5. Select the item “<6> ATF Error Signal Monitor” on the LISTA main menu, and when message “1.2% Speed. . .” appears, press the Enter key.
6. Adjust EVR so that the “Sens. Value 1” on the upper right corner of the screen is within the specification.
7. After the adjustment, press the ESC key to return to the main menu.

<<< 50M Mode ATF Error Signal Waveform >>>



<<< Differential Data >>>



Sens. Value: 150.61 mV/um

Sens. L1: 149.43 mV/um

Sens. L2: 151.78 mV/um

To be changed

Cancel: Hit any key

<Sensitivity Detection Procedure>

1. Open the SERVO ADJUST menu.
2. Select A12: RPR GAIN DV.
3. Play Back the LISTA Alignment Tape.
4. Select the item “<1> Sensitivity Measurement” on the LISTA main menu, and then “1.2% Speed. . .” appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
5. Confirm the sensitivity value is within the specification, when the message <<Sensitivity Measurement Finish>> and “Sensitivity = Sensitivity Value” are displayed on screen.
6. If it is out of specification, repeat the step item 3, 4 and 5.
7. If still out of specification, execute the “Sensitivity Adjustment” again.

<< Sensitivity Measurement Finish >>

Sensitivity (100M) **150.00 (mV/um)**

Sens. L1 **149.50 (mV/um)**

Sens. L2 **150.50 (mV/um)**

Measurement Result

1-35. Self-REC/PLAY Envelope Waveform Confirmation

TP	TP105: R/P L-ENV (RF/EQ Board: slot1) TP5 : R/P L-HSW (RF/EQ Board: slot1) TP101 : PB L13-ENV (RF/EQ Board: slot1) TP102 : PB R13-ENV (RF/EQ Board: slot1) TP103: PB L24-ENV (RF/EQ Board: slot1) TP104 : PB R24-ENV (RF/EQ Board: slot1) TP105: PB TR L-ENV (RF/EQ Board: slot1) TP7: TR L-HSW (RF/EQ Board: slot1)
REC SIG	Internal CW Signal (Refer to the following procedure.)
M. EQ	Oscilloscope
TAPE	Blank M Cassette Tape (66 min.), Blank EX L Cassette Tape (126 min.)
SPEC.	Ordinary M Cassette (66 min.) or L Cassette (126 min): V1/Vmax, V3/Vmax ≥ 0.7, V2/Vmax ≥ 0.8 EX L Cassette: V1/V max, V2/V max, V3/Vmax 0.7

1. Turn off the VTR main power.
2. Temporally lift up the RF_EQ Board and set the jumper switches SW201 and SW202 to the CW Generate Mode (connecting Pin 1 and 2) as shown in figure 1-35-1.

Jumper Switch: SW201, SW202

1 2 3 : Normal Mode
○ [● ●] (Jumper between pins 2 and 3)

1 2 3 : Internal CW Generate Mode
[● ●] ○ (Jumper between pins 1 and 2)

Figure 1-35-1

3. Reinstall the RF_EQ Board to the original slot and turn on the main power.
4. Record the internal CW signal for a few seconds.
5. Open the service menu and select “TRACKING MODE”: CTL and play back the portion just recorded.
6. Adjust “TRACKING VAL” so that the envelope level becomes maximum.
7. Confirm that the envelope output is in the specification.

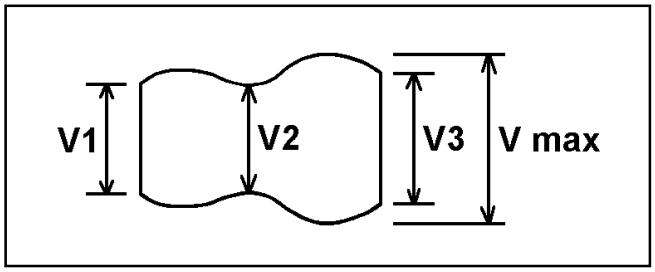


Fig. 1-35-2

8. Perform the same confirmation for each heads as shown the table below.

ENVELOPE	TP	ADJUST MENU	
R/P L-ENV	105	B-1: HDLP_PB	B17: TRACKING MOD = CTL
PB L13-ENV	101	B-2: HDSP	B18: TRACKING VAL = Env. Max.
PB R13-ENV	102		
PB L24-ENV	103		
PB R24-ENV	104		
PB TR L-ENV	105		

9 If it is out of specification, execute the items “ENV Waveform Adjustment” and “LISTA Adjustment”.

2. Replacement and Adjustment Procedures of Major Parts

GENERAL

When mechanical parts are replaced, pay attention to the following notes.

1. Always turn power off before replacing any parts.
2. If any adjustment is required after replacing parts, perform the required adjustment.
3. Use proper tools and fixtures.
4. Be sure to clean the parts after replacement, and also to replace the mechanical parts, following the replacement procedure.

Refer to the Section 1 of Service Information regarding to the each parts maintenance schedule.

2-1. Replacement of Cylinder Unit

(Removal)

1. Disconnect the upper flexible cable which connected to the connector P2 on the RF/CUE Board.
2. Open the Power 3 Board and Servo Board under the Mechanical Cassis.
3. Disconnect the lower flexible cables which connected to the connector P3 and P4 on the RF/CUE Board, and P33 on the MECHA I/F Board.
4. Unscrew the 3 screws (A) (with spring) which fix the Cylinder Unit as shown in Figure 2-1-1, then remove the Cylinder Unit without touching any mechanical parts.

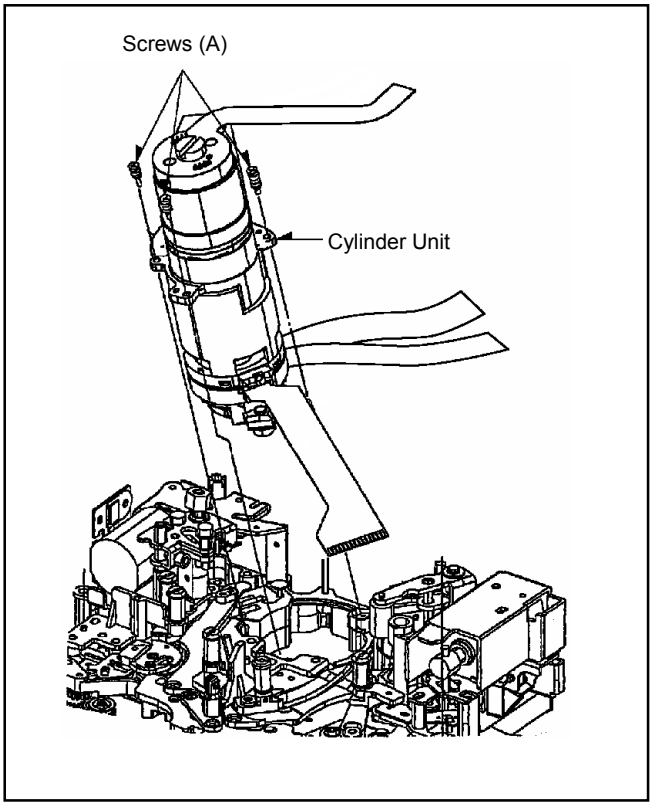


Fig. 2-1-1

(Installation)

1. Install the Cylinder Unit in the reverse steps of the removal

Note :

Don't touch the cylinder unit with fingers directly, when installing the new cylinder they will oil film on head.
When installing the Cylinder Unit, the pin on Mecha. Chassis should mach with holes of cylinder unit.

2-2. Replacement of Cleaning Arm Unit

(Removal)

1. Remove the Cut Washer (A) as shown in Fig. 2-2-1 and unhook spring from Cleaning Arm Unit and then, remove the Cleaning Arm Unit.

Note :

Do not touch the Cleaning Roller by finger directly.

(Installation)

1. Install the Cleaning Arm Unit to the pin on the Mechanical Chassis Unit and the cut washer (A) then hook the spring to the Cleaning Arm Unit.
2. After installation, the position adjustment of the Cleaner Solenoid is required.

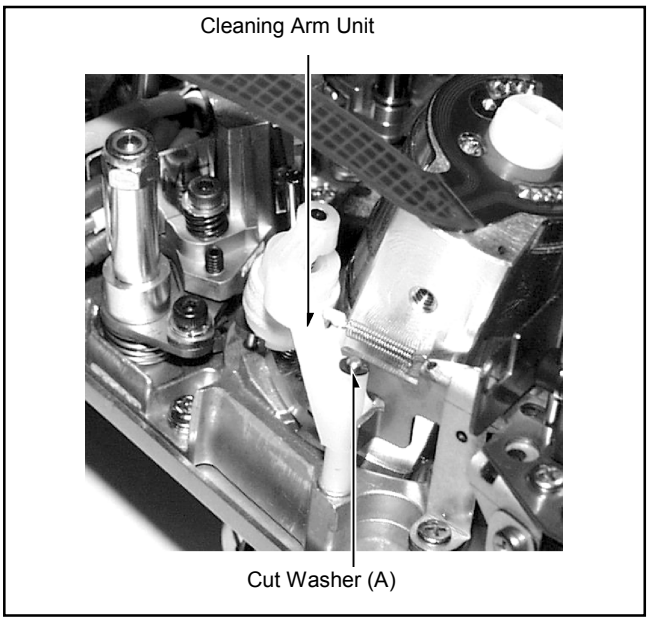


Fig. 2-2-1

(Position Adjustment of Cleaner Solenoid)

1. Press the core of Cleaner Solenoid.
2. Confirm that the gap (C) between the Cleaner Connection Rod and Cleaner Arm Unit is 0.95mm and the gap (D) is 0.7±0.1mm as shown in Fig. 2-2-2.
3. If the out of specification, loosen the 2 screws (B) as shown in Fig. 2-2-2.
4. Move the Cleaner Solenoid to an arrow direction so that the gap (C) and (D) are within the specification.
5. Press the core of Cleaner Solenoid by hand.
6. Confirm that the Cleaner Roller touches with the Cylinder and returns to the original position when release the hand from it.

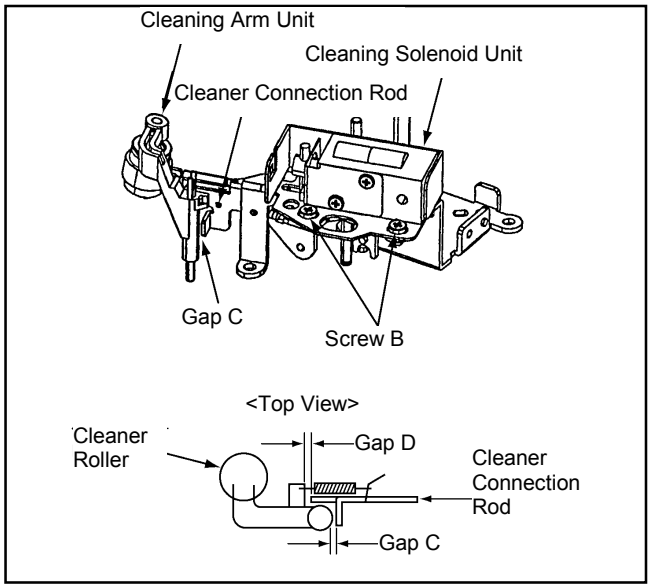
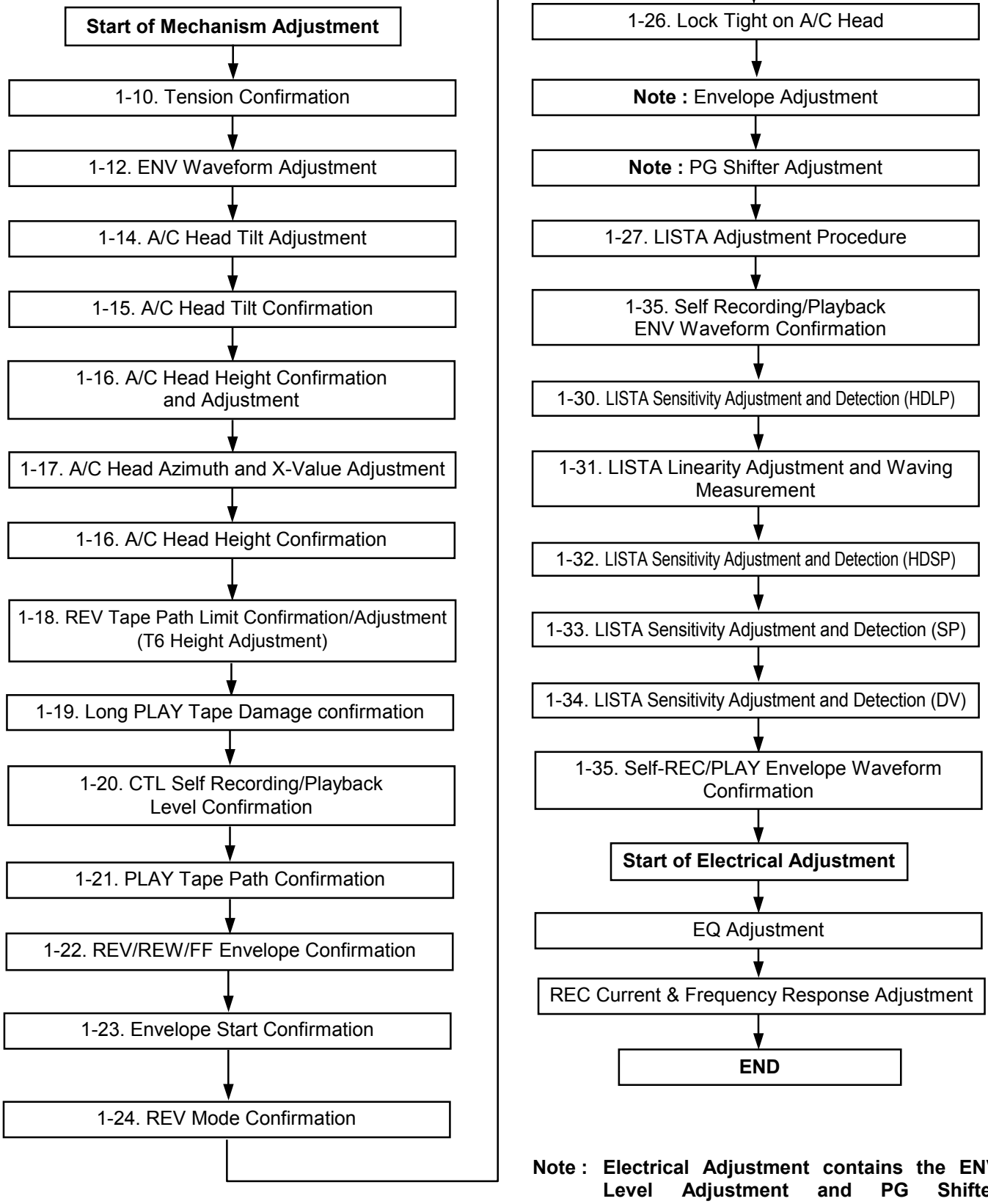


Fig. 2-2-2

2-3. Adjustment after Replacement of Cylinder Unit

1. Perform each adjustment according to the following flow chart after the replacement of the Cylinder Unit.



Note : Electrical Adjustment contains the ENV Level Adjustment and PG Shifter Adjustment.

2-4. Pinch Solenoid Replacement

(Removal)

1. Disconnect the connector P20 on the Mech. I/F P.C.Board.
2. Unscrew the 2 screws (A) and remove the Pinch Solenoid cover and Pinch Solenoid Angle as shown in Figure 2-4-1.
3. Unscrew the 2 screws (B) and remove the Pinch Solenoid with the Solenoid Base as shown in Figure 2-4-1.
4. Unscrew the 2 screws(C) and remove the Pinch Solenoid as shown In Figure 2-4-1.

(Installation)

1. Install the Pinch Solenoid in the reverse steps of the removal.
   After installation, adjust the Pinch Solenoid Position Adjustment.

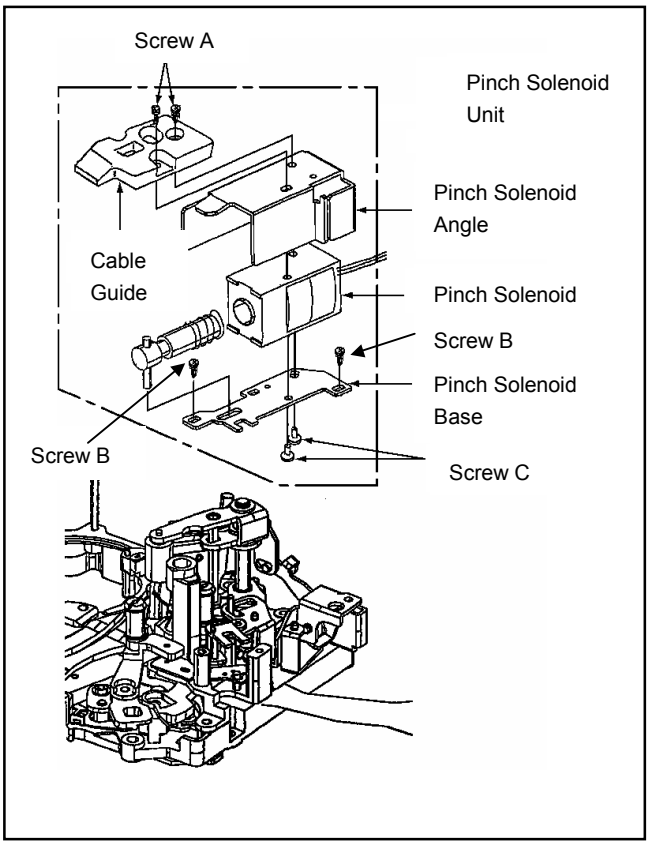


Fig.2-4-1

2-5. Pinch Solenoid Position Adj.

ADJ.	Screws(C),(D) and Hole (B)
TP	Clearance T
MODE	EJECT (Power Off)
TOOL	VFK0357 (Eccentric Driver)
SPEC	T=0.3mm to 0.5mm

1. Confirm that the Pinch Solenoid Cover and Pinch Solenoid Angle are removed .
2. Turn the Emergency Screw clockwise, and place the VTR in loading condition
3. Press the core of Pinch Solenoid so that the Pinch Roller touches with the Capstan.
4. Loosen the 2 screws(C),(D) and Adjust hole(B) by VFK0375 so that the clearance(T) is within specification.
5. After position adjustment, fix the solenoid position with screw(C),(D)

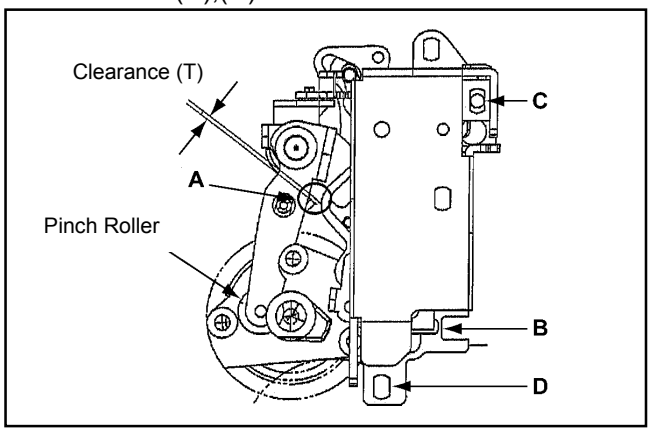


Fig.2-5-1

2-6. Replacement of Capstan Unit

(Removal)

1. Disconnect the connector on the MECHA I/F Board. (rear side of the Mechanical Chassis)
2. Unscrew the 3 screws (A) as shown in Fig. 2-6-1 and then remove the Capstan Unit from the lower side of Mechanical Chassis.

(Installation)

1. Install the new Capstan Unit in reverse steps of the removal..

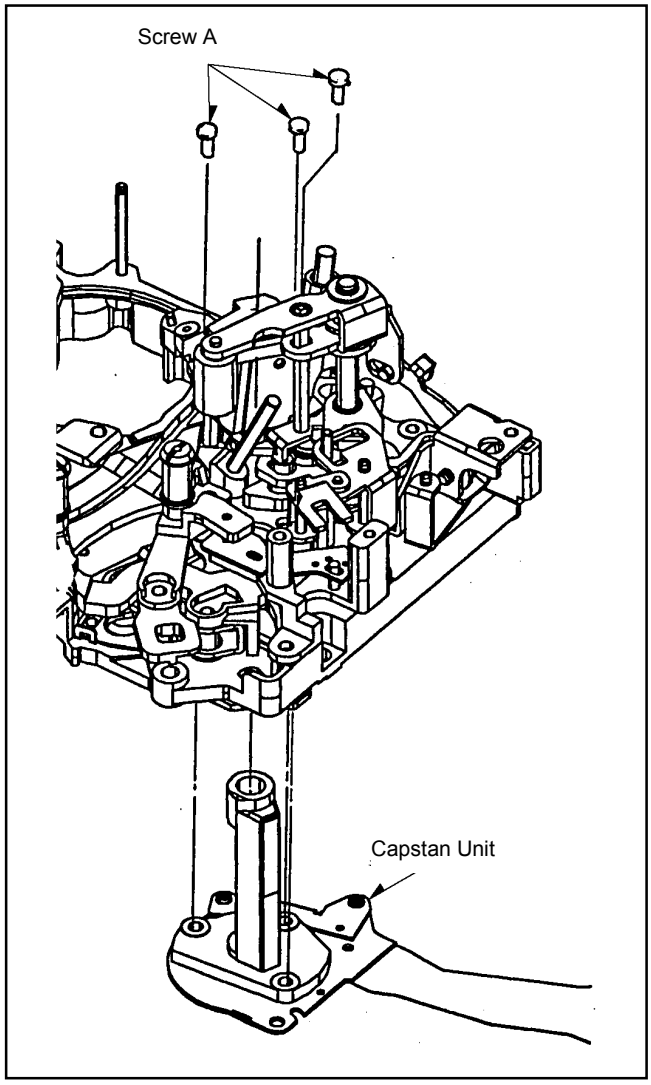


Fig. 2-6-1

2-7. Replacement and Adjustment of A/C Head Unit

(Removal)

1. Unscrew the spring screw(A) as shown in Fig.s 2-7-1 and 2-7-2 and then remove the A/C Head 1 Unit.

(Installation)

1. Install the A/C Head 1 Unit in reverse steps of the removal. Tighten the screw (A) with 10cN·m (1Kgf·m) torque.
2. Clean the surface of A/C Head.

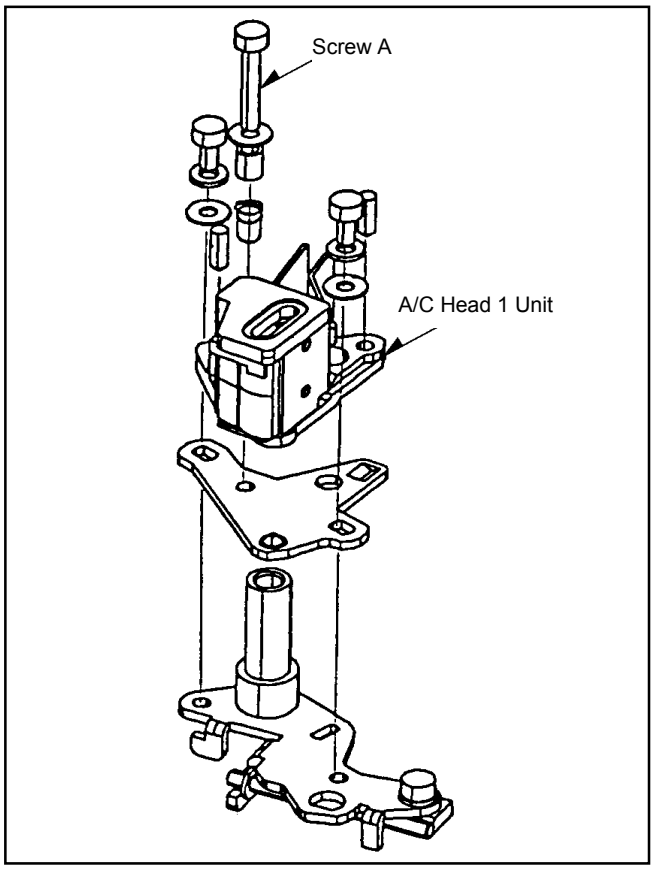


Fig. 2-7-1

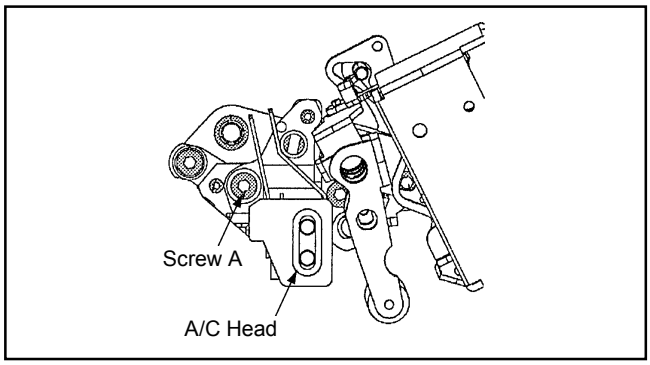
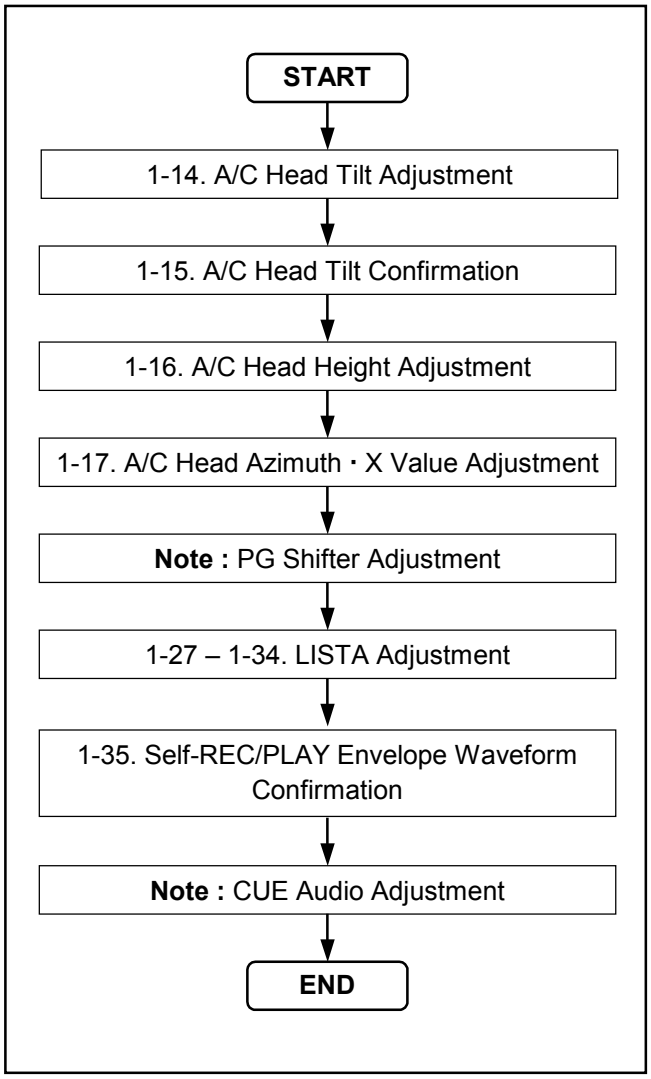


Fig. 2-7-2

< A/C Head Adjustment >

1. Necessary adjustments and confirmation items after replacement of A/C Head Unit is shown in the below flow chart.



Note : The PG Shifter and CUE Audio Adjustment Procedures have been introduced in the "Electrical Adjustment Procedures Section".

2-8. Replacement and Adjustment of Cleaner Solenoid Unit

(Removal)

1. Disconnect the connector P414 on the MECHA I/F Board. (Rear side of the Mechanical Chassis)
2. Unscrew the 2 screws (A) as shown in Fig. 2-8-1 and remove the Cleaner Solenoid Unit.
3. Unscrew the 2 screws (B) as shown in Fig. 2-8-1 and 2-8-2 and remove the Cleaner Shield Case.
4. Unscrew the 2 screws (C) as shown in Fig. 2-8-2 and remove the Silencer Spring from the Cleaner Solenoid Unit.

(Installation)

1. Install the new Cleaner Solenoid Unit in the reverse steps of the removal.
2. Perform the Position Adjustment of the Cleaner Solenoid at the installation. (Refer to the paragraph 2-2. "Replacement of Cleaning Arm Unit")

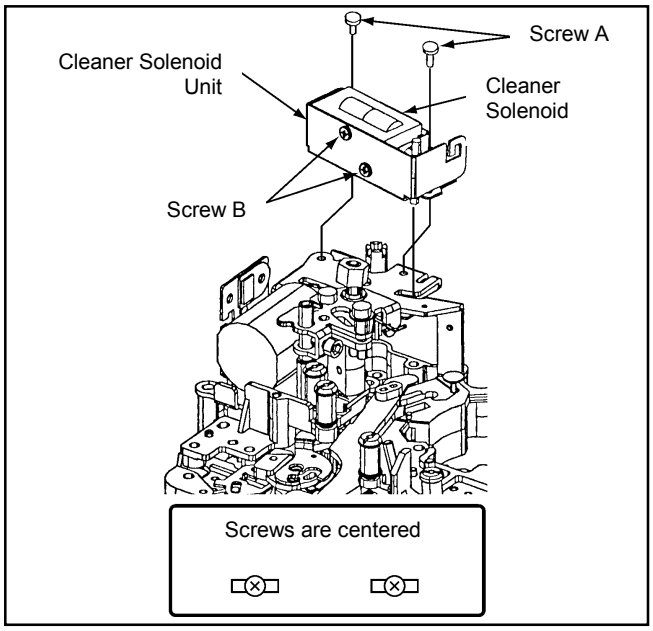


Fig. 2-8-1

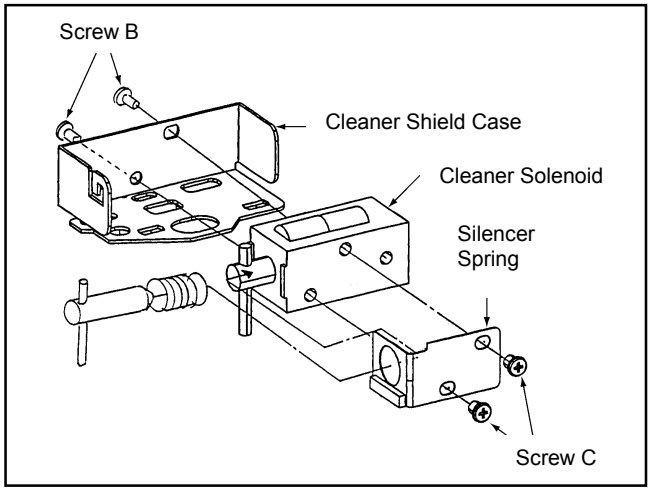


Fig. 2-8-2

2-9. Mode SW Unit Replacement

(Removal)

1. Confirm that the unit is in the unloading complete position.
2. Remove the cleaner solenoid unit. (Refer to 2-8)
3. Disconnect the connectors on the Mech. I/F board.
4. Remove the spring on the cleaner arm unit.
5. Unscrew 3 screws A, and the Motor Bracket Unit. (Fig.2-9-1)
6. Unscrew the 2 screws B, and the Mode SW Unit.

(Installation)

1. Install a new Mode SW Unit in the reverse steps of the removal.
2. The pin at the bottom of the Mode SW should be put into the hole of the Main Cam Gear. (Fig.2-9-1 and 2-9-2)

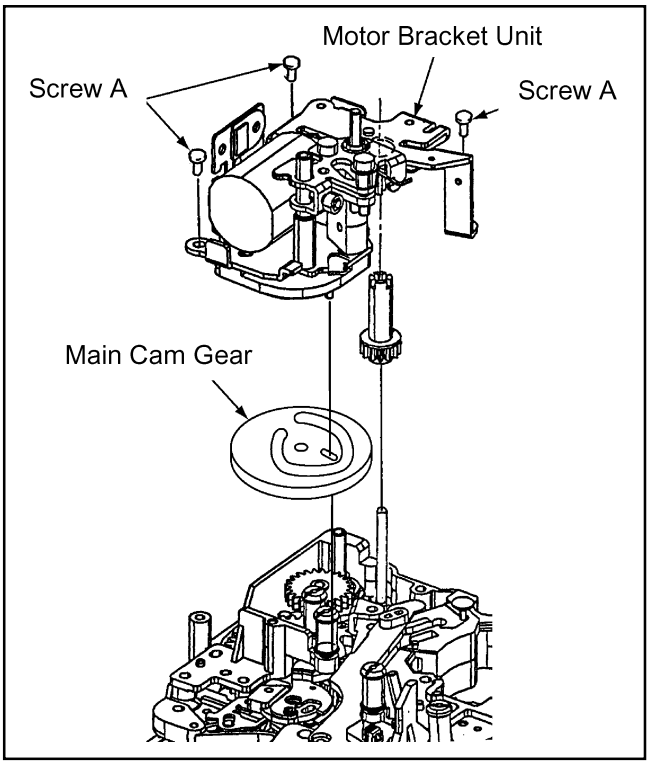


Fig.2-9-1

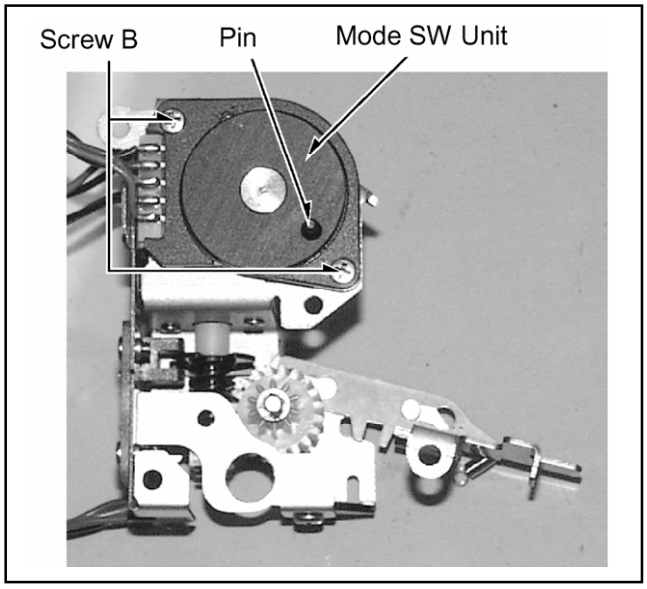


Fig.2-9-2

2-10. Main Cam Gear Replacement

(Removal)

1. Remove the Cleaner Solenoid. (Refer to 2-8)
2. Remove the Motor Bracket Unit. (Refer to 2-9)
3. Turn the Cam Relay Gear B counterclockwise to place the mech. in the loading complete mode. (Fig.2-10-1)
4. Remove the Loading Guide. (Refer to 2-13)
5. Remove the S Loading Arm Unit. (Refer to 2-13)
6. Remove the S4 Post Base Unit. (Refer to 2-11)
7. Remove the Cut Washer A and the Cam Relay Gear B. (Fig.2-10-1)
8. Remove the Cut Washer B and the Cam Relay Gear A.
9. Remove the Cut Washer C and the S Load Sector Gear Unit.
10. Remove the Cut Washer D and the S Relay Gear.
11. Remove the Cut Washer E and the Main Cam Gear.

(Installation)

1. Install a new Main Cam Gear in the reverse steps of the removal.
2. Make sure that the pin of the Mode SW and the hole of the Main Cam Gear are geared upon mounting the Motor Bracket.

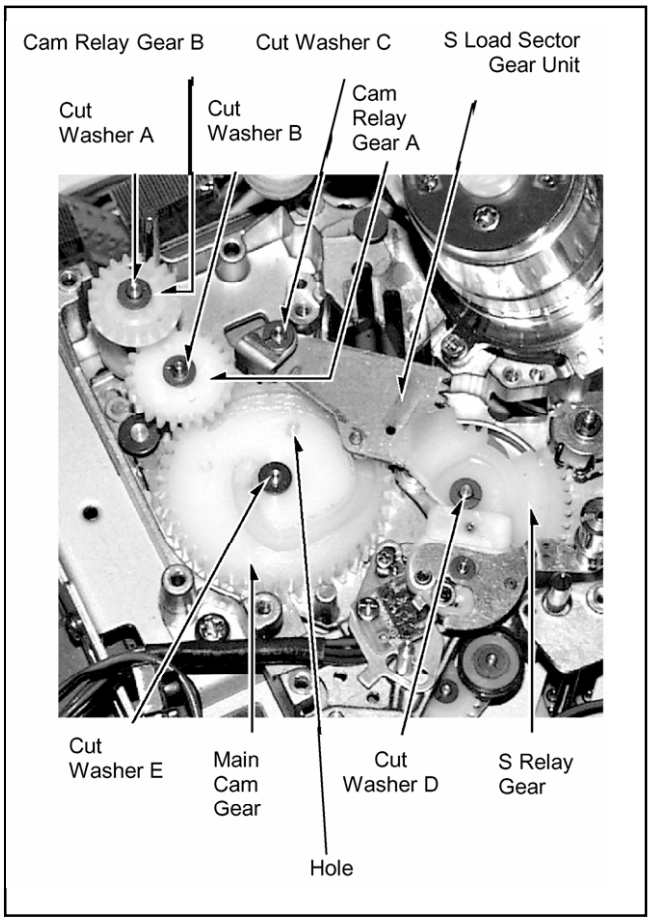


Fig.2-10-1

2-11. S4 Post Base Unit Replacement

(Removal)

1. Remove the 2 screws A and the S4 Post Base Unit. (Fig.2-11-1)

(Installation)

1. Install a new S4 Post Base Unit in the reverse steps of the removal.
2. The post height pre-adjustment and Linearity adjustment are required.

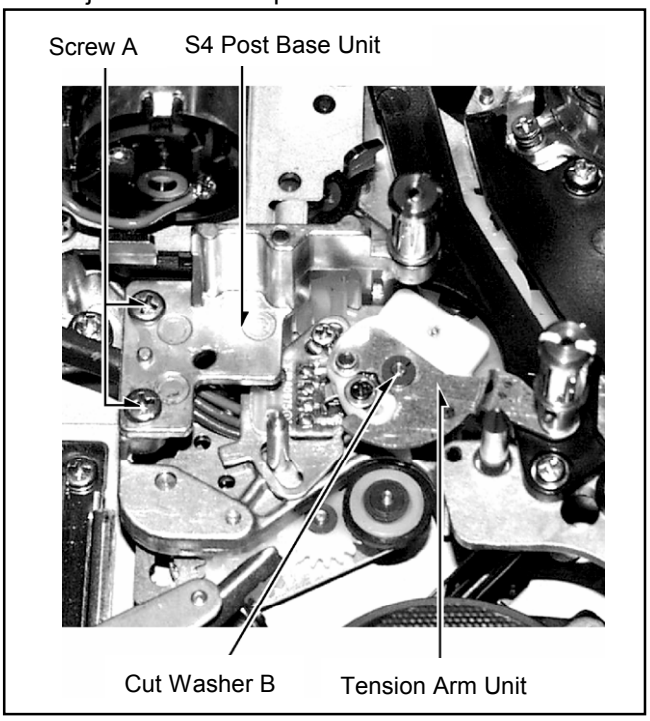


Fig.2-11-1

2-12. Tension Arm Unit Replacement

(Removal)

1. Remove the S4 Post Base Unit.
2. Remove the cut washer B and the tension spring. (Fig.2-11-1)
3. Remove the Tension Arm Unit.

(Installation)

1. Install a new Tension Arm Unit in the reverse steps of the removal. The spring must be fixed prior to installing the Tension Arm Unit.
2. The Tension Arm Adjustment is required. (See the flowchart below.)

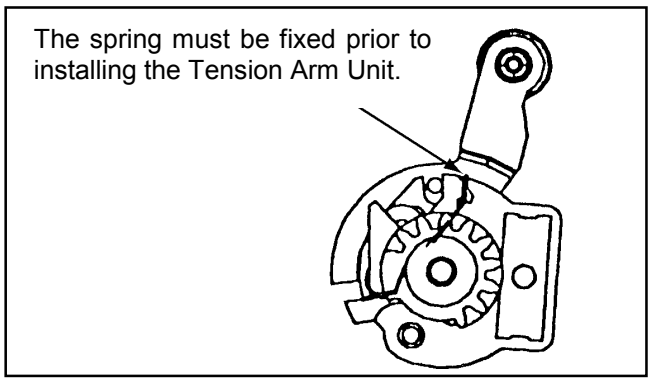
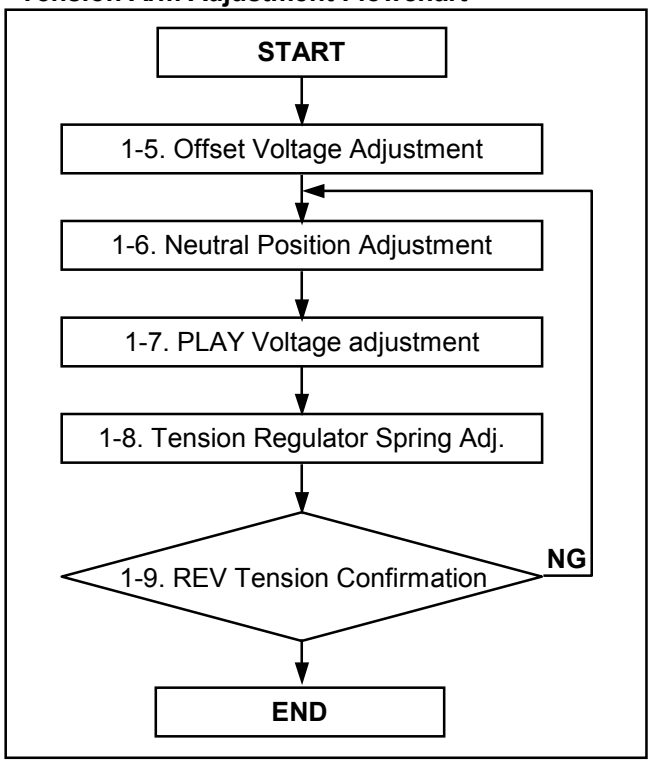


Fig.2-12-1

<Tension Arm Adjustment Flowchart>



2-13. S Loading Unit Replacement

(Removal)

1. Remove the Cleaner Solenoid unit. (Refer to 2-8)
2. Remove the Motor Bracket Unit. (Refer to 2-9)
3. Turn the Cam Relay Gear (B) counterclockwise to place the unit in the loading complete condition. (Fig.2-13-1)
4. Unscrew the 4 screws A and 2 screws B, then the loading guide. (Fig.2-13-1)
5. Turn the Cam Relay Gear (B) clockwise to return the unit in the unloading complete condition.
6. Remove the Cut Washer C and a washer, and then the S Loading Unit. (Fig.2-13-2)

(Installation)

1. Install a new S Loading Unit in the reverse steps of the removal.
2. The hole D of the S Loading Unit and the hole E of the S Sector Gear should be geared each other.

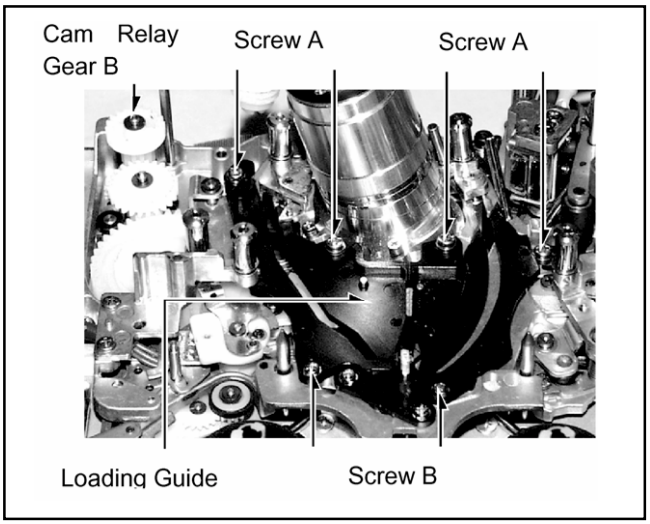


Fig.2-13-1

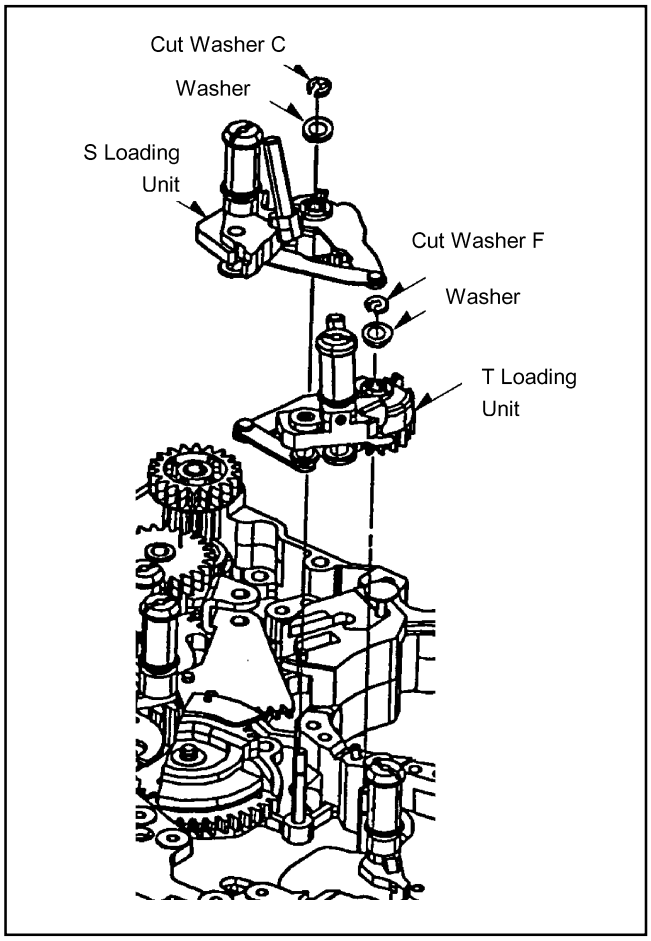


Fig.2-13-2

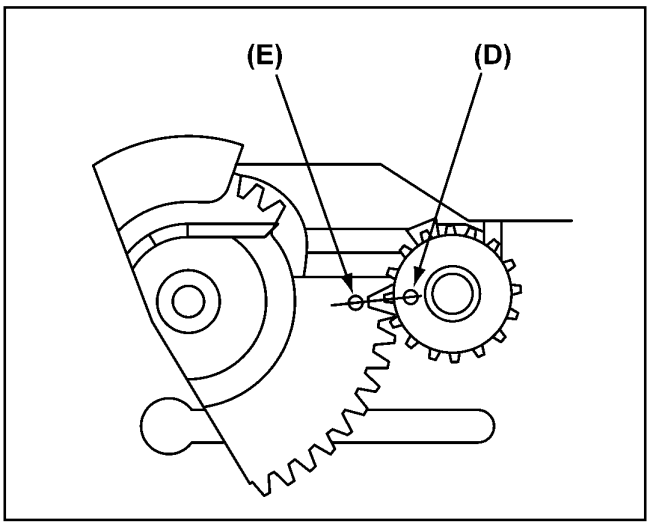


Fig.2-13-3

2-14. T Loading Unit Replacement

(Removal)

1. Remove the S Loading Arm Unit. (Refer to 2-13)
2. Remove the Cut Washer F and a Washer to remove the T Loading Unit. (Fig.2-13-2)

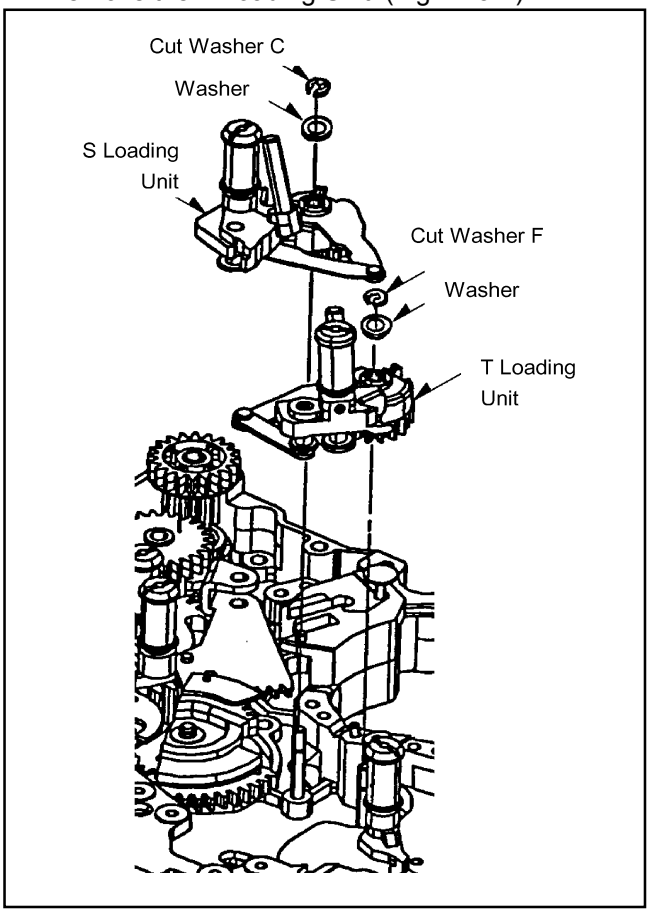


Fig. 2-14-1

(Installation)

1. Install a new T Loading Unit in the reverse steps of the removal.
2. The hole (G) and (H) should be geared. (Fig.2-14-2)

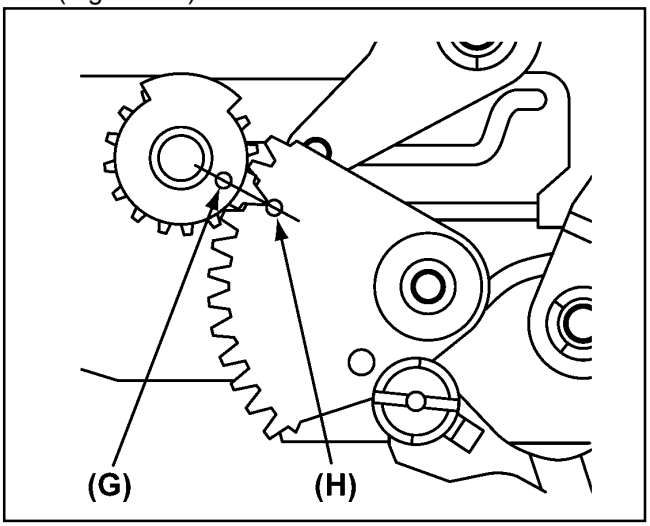


Fig.2-14-2

2-15. T6 Arm Unit Replacement

(Removal)

1. Remove the Cut Washer A and a Washer to remove the T6 Arm Unit. (Fig.2-15-1)

(Installation)

1. Install a new T6 Arm Unit in the reverse steps of the removal.
2. The Post Height Pre-adjustment and the Linearity Adjustment are required.

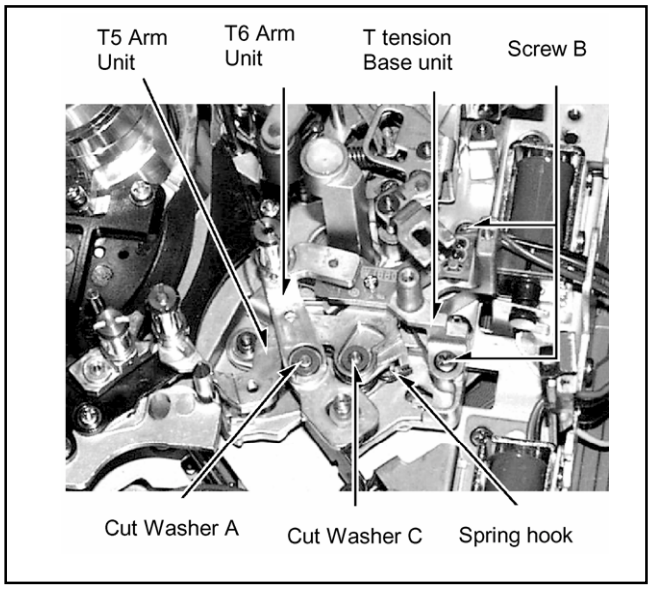


Fig.2-15-1

2-16. T5 Arm Unit Replacement

(Removal)

1. Remove the T6 Arm Unit. (Refer to 2-15)
2. Remove the Pinch Solenoid Unit. (Refer to 2-4)
3. Unscrew the 2 screws B, and the T Tension Base Unit. (Fig.2-15-1)
4. Remove the Cut Washer C and a Washer to remove the T5 Arm Unit. (Fig.2-15-1)

(Installation)

1. Install a new T5 Arm Unit in the reverse steps of the removal. Make sure the position where the spring hooks.
2. The Post Height Pre-adjustment and the Linearity Adjustment are required.

2-17. Supply & Take-up Reel Rotor Replacement

(Removal)

1. Disconnect the flexible cable which is connected to P34 and P35 on the Mech. I/F Board (back side of the Mechanism unit).
2. Confirm that the iron core of the Supply and Take-up Brake Solenoid are not pressed.
3. Confirm that the Reel Table is positioned M-Cassette, release the M Stopper by pressing the iron core of the M Stopper Solenoid.
4. Unscrew the 2 screws (A) on the outer rail. When unscrew, insert the driver to the Hole (C) as shown in figure 2-17-1.
5. Unscrew the 2 screws (B) as shown in figure 2-17-1.
6. The Rotor Unit is hooked at inner rail. Remove the Supply and Take-up Rotor Unit that never touch to the Brake Release Arm.

NOTE: When remove the Reel Rotor Unit, memorized the groove position of Reel Base, which inserted the pin of Drive Arm Unit.

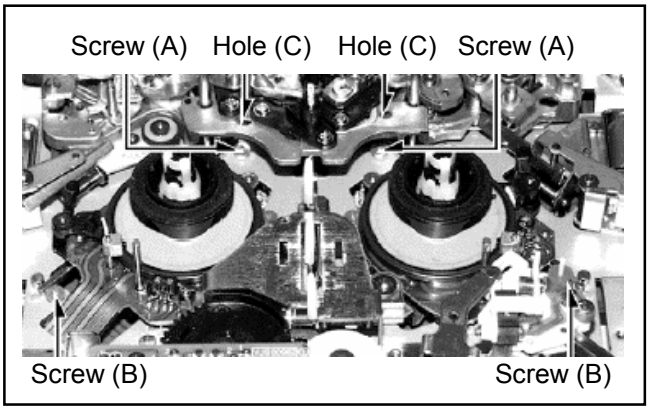


Fig.2-17-1

(Installation)

1. Install the new Supply and Take-up Reel Rotor Unit to the outer rail.
2. Hang on the Reel Rotor Unit to inner rail and install the Reel Rotor Unit then the pin of Drive Arm Unit should be matched with groove position of Reel Base as shown in Figure 2-17-2.
3. Fix the outer rail by Screw (A) and Screw (B).
4. Confirm that the Reel Table Unit moving smoothly on the Rail by hand.
5. Move the Reel Rotor Unit to front side by hand and then pull up the iron core of M stopper solenoid.
6. Confirm the Main Brake Torque. (Refer to the item “Main Brake Torque Confirmation”.)
7. Connect the flexible cable to P34 and P35 on the P.C.Board.
8. Adjust the Supply Motor Torque Offset Value. (Refer to the “Sec.5 Electrical Adjustment”.)
9. Adjust the Take-up Motor Torque Offset Value. (Refer to the “Sec.5 Electrical Adjustment”.)
10. Confirm the Tape Tension Value on playback mode.

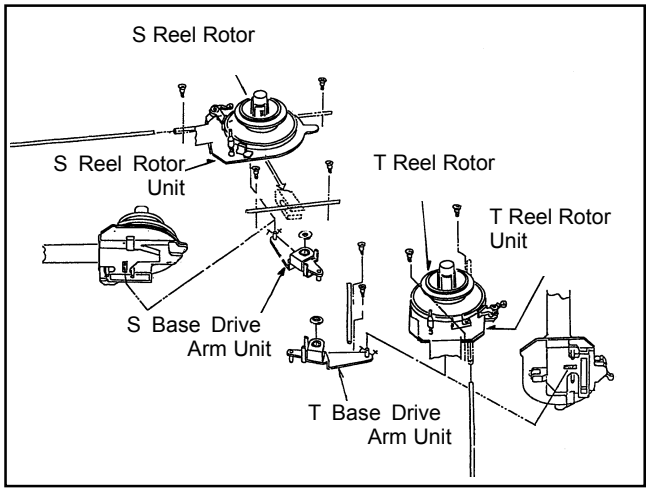


Fig.2-17-2

2-18. Main Brake Torque Confirmation

TP	S Reel, T Reel
MODE	EJECT (POWER OFF)
TOOLS	Dial Torque Gauge (VFK1191A) Torque Gauge Adaptor (VFK1152)
SPEC.	Direction A : 0.4cNm ± 0.2cN·m (20gf·cm ± 10gfcm) Direction B : 0.2cNm ± 0.1cN·m (20gf·cm ±10gfcm)

1. Attach the adaptor (VFK1152) to the gauge (VFK1191A)
2. The following procedure is common for both S and T reels.
3. Push the core of the solenoid away from the reel, and pull it back to contact the reel.
4. Put the torque gauge on the reel, and turn the gauge to the direction A until the brake starts slipping against the reel.
5. Measure the torque under the condition above, and confirm that it is in specification.
6. Remove the gauge once and push the core of the solenoid away from the reel.
7. Pull the core of the solenoid back to contact the reel, and put the gauge again on the reel.
8. Turn the gauge to the direction B until the brake starts slipping against the reel.
9. Measure the torque under the condition above, and confirm that it is in the specification.

Note: When measuring the brake torque, perform the Above step 3 at the first.

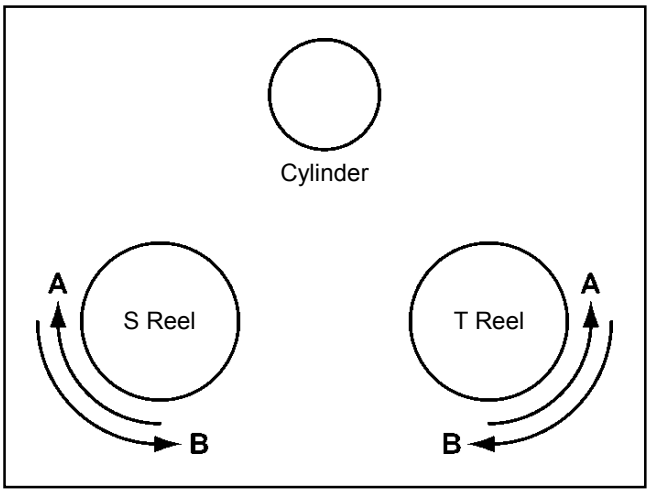


Fig.2-18-1

2-19. Supply & Take-up Brake Arm Unit Replacement

(Removal)

1. Release the brake by pressing the iron core of the Supply and Take-up Brake Solenoid.
2. Remove the 2 Cut Washers (A) as shown in figure 2-19, and remove the Supply and Take-up Brake Arm Unit.

(Installation)

1. Install the new Supply and Take-up Brake Arm Unit follow the removal steps in reverse order.

NOTE: Hook up the Brake Arm Spring as shown below figure.

2. After installation, please perform the “Main Brake Torque Confirmation”. (Refer to the item “2-18. Main Brake Torque Confirmation”.)

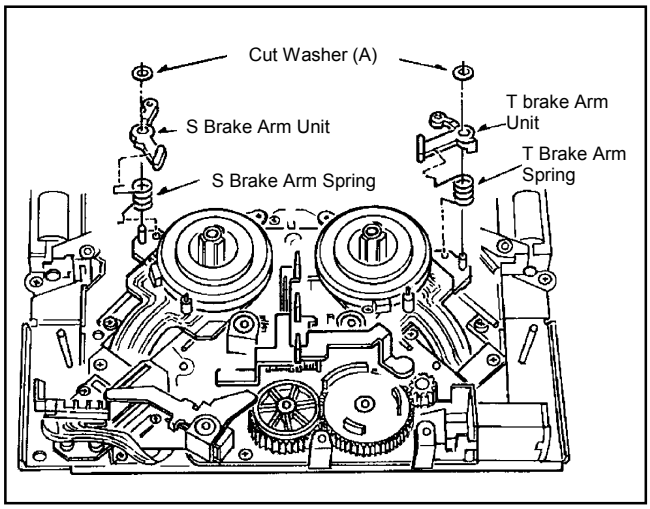


Fig.2-19-1

2-20. S-Brake Solenoid Replacement & Adjustment

(Removal)

1. Disconnect the connector P15 on the Mech.I/F Board.
2. Unscrew the 2 screws (A), and remove Supply Brake Solenoid Base Unit as shown in Figure 2-20-1.
3. Unscrew the 2 screws (B), and remove Supply Brake Solenoid as shown in Figure 2-20-1.

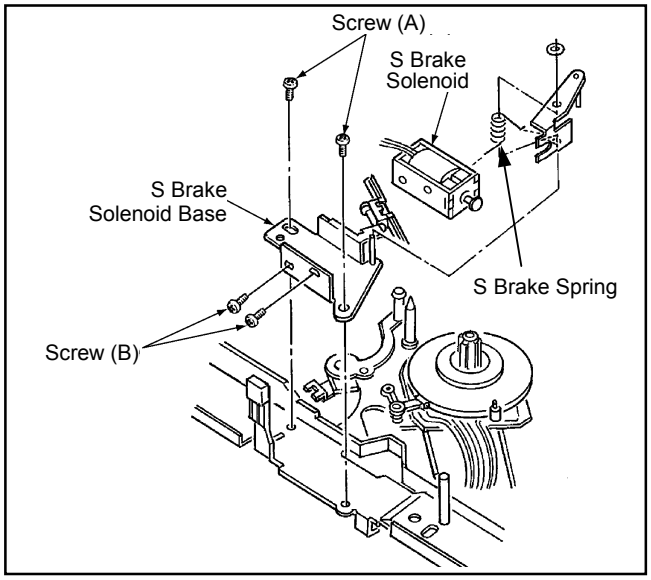


Fig.2-20-1

(Installation)

1. Install the Supply Brake Solenoid in the reverse steps of the removal.
2. After installation, adjust the Solenoid Position Adjustment.

<Solenoid Position Adjustment>

1. Make sure that the position of the reels is in the M cassette position. If not, make it in the M cassette position.
2. Confirm that the gap (A) between brake pad and reel is more than 0.2mm as shown in figure 2-20-2.
3. If the gap (A) is out of specification, loosen the 2 screws (A) and shift the brake solenoid so that the gap (A) is within specification. After the adjustment, tighten the screws (A)
4. Make the reel position in S and L cassette positions, and confirm that the gap (A) is more than 0.2mm at each reel position as shown.

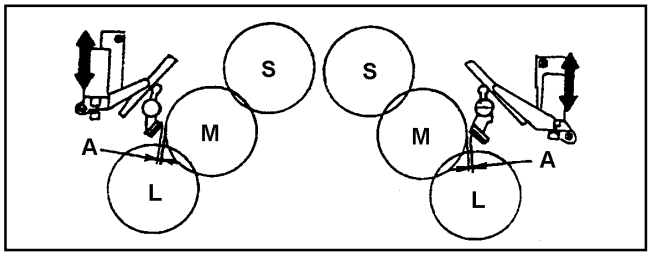


Fig.2-20-2

2-21. T-Brake Solenoid Replacement & Adjustment

(Removal)

1. Disconnect the connector P18 on the Mech. I/F Board.
2. Unscrew the 2 screws A, and remove Take-up Brake Solenoid Base Unit as shown in Figure 2-21-1.
3. Unscrew the 2 screws B, and remove Take-up Brake Solenoid as shown in Figure 2-21-1.

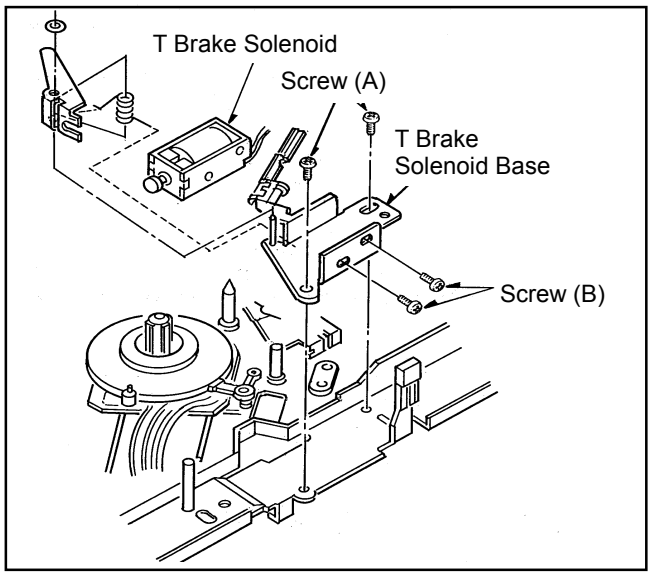


Fig.2-21-1

(Installation)

1. Install a new Reel Motor Unit in the reverse steps of the removal.

<Solenoid Position Adjustment>

1. The position adjustment is same procedures as the Supply Reel Table side
   (Refer to the figures 2-20-1 and Fig. 2-20-2)

2-22. Reel Motor Unit Replacement

(Removal)

1. Remove the connector P16 on the Mech. I/F Board. (Fig.2-22-1)
2. Unscrew the 3 screws A, and remove the cover unit (Fig.2-22-1)
3. Unscrew the 2 screws B, and remove the reel motor unit. (Fig.2-22-1)

(Installation)

1. Install a new Reel Motor Unit in the reverse steps of the removal.

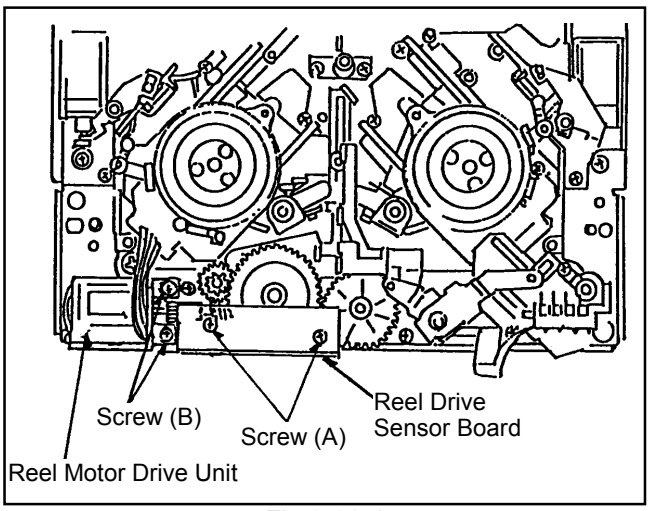


Fig.2-22-1

2-23. Distinction SW Unit Replacement

(Removal)

1. Remove the connector P17 on the backside of the Mech. I/F board.
2. Remove the spring on the Distinction SW Unit.
3. Remove the 3 screws A and the Distinction SW Unit. (Fig. 2-23-1)

(Installation)

1. Install a new Distinction SW Unit and the spring in the reverse steps of the removal.
2. Confirm that both M and L size cassette touch the Distinction SW Unit.

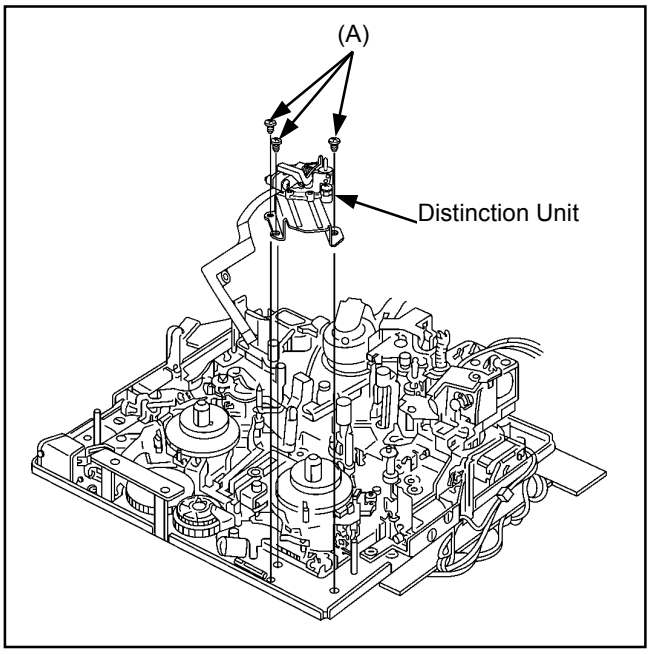


Fig.2-23-1

2-24. M Stopper Solenoid Unit Replace & Adjustment

(Removal)

1. Remove the connector P24 on the backside of the Mech. I/F board.
2. Remove the Pinch Solenoid Unit. (Refer to the Pinch Solenoid Replacement procedure.)
3. Remove the T Tension Base Unit. (Refer to the T5 Arm Unit Replacement Procedure.)
4. Remove the 4 screws A and B, and then the solenoid. (Fig. 2-24-1)

(Installation)

1. Install a new solenoid in the reverse steps of the removal.
2. The following position adjustment is required.

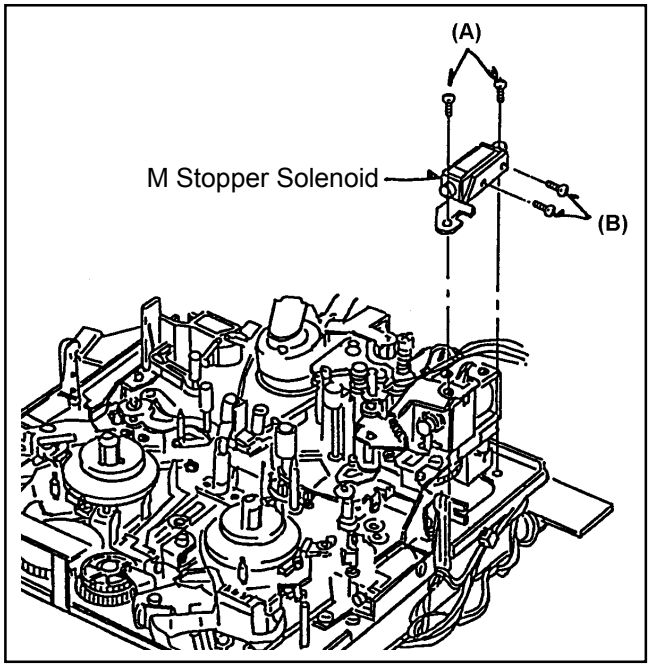


Fig.2-24-1

(Adjustment)

1. Place the reel in the L cassette position.
2. Press the core of the solenoid to release the M stopper.
3. Loosen the screw A and adjust the solenoid position so that the gap between the Mech. Chassis and the M stopper is 1.1 to 1.3mm. (Fig. 2-24-2)
4. Tighten the screw A after the adjustment

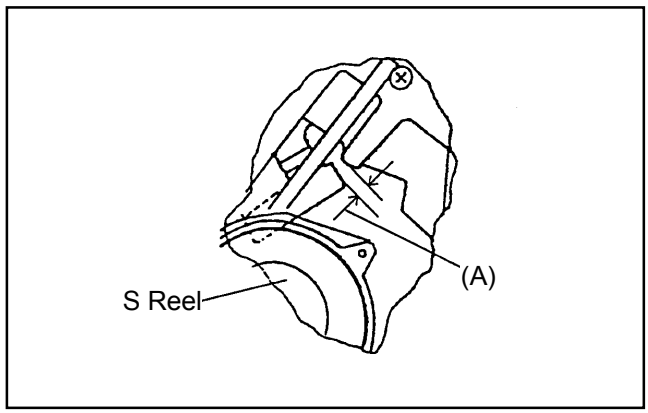


Fig.2-24-2

SECTION 4

ELECTRICAL ADJUSTMENT

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1. POWER Supply Unit

1-1. Output Voltage Adjustment

BOARD	POWER 3
TP	TP1, TP14 [GND] TP2, TP14 [GND]
ADJ.	VR2, VR3
TAPE	---
INPUT	EJECT
MODE	---
M. EQ	Digital Volt Meter
SPEC.	VR2 : 1.92V ± 0.05V VR3 : 1.40V ± 0.05V

1. Connect the Digital Volt Meter (+) to TP1 and (-) to TP14, and adjust VR2 so that the voltage is in the specification.
2. Connect the Digital Volt Meter (+) to TP2 and (-) to TP14, and adjust VR3 so that the voltage is in the specification.

2. SYS (System Control) Board

2-1. Battery Voltage Detect Adjustment

BOARD	VOUT/SYS
TP	DC IN (See Figure Below)
ADJ.	SERVICE MENU "H00"
TAPE	---
INPUT	EJECT
MODE	---
M. EQ	Digital Volt Meter
SPEC.	12.00V ± 0.02V

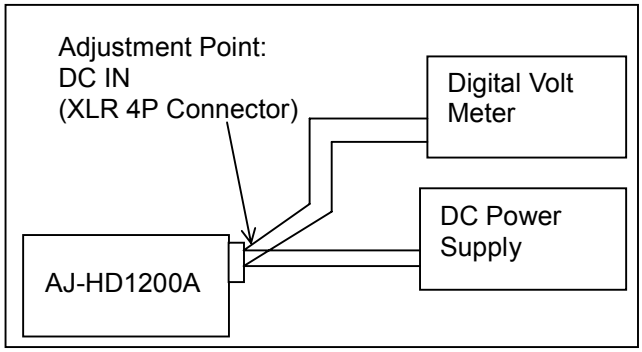
<Service Manu Setting>

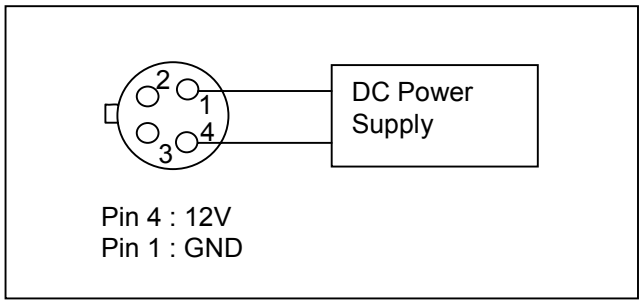
H00: OTHER ADJUST ----- H21: UNDERCUT ADJ

1. Set the 2nd bit of DIP SW1 on the VOUT/SYS Board to the ON position.
2. Set the "LOCAL/MENU/REMOTE" switche on the rigit upper side of the front panel to the MENU position.
3. Supply a DC Power from DC Supply to the XLR 4 pin connector on the rear panel as shown in the figure below.
4. Connect the Digital Volt Meter to the DC Power Supply as shown in the figure below.
5. Adjust the voltage of the DC power Supply so that the voltage is 12.00V ± 0.02V.
6. Open the Service Menu and select H00: OTHER ADJUST (H21: UNDERCUT ADJ).
7. Continually pushing the MODE button until the display is updated.
8. To return the main menu, press the PAGE and MODE buttons together.
9. Return the LOCAL/MENU/REMOTE switch to the LOCAL position, and 2nd bit of DIP SW2 to the "OFF" position.

<CAUTION>

1. Disconnect an AC cable and make this adjustment with DC Power. Supply.
2. This adjustment should be performed after completion of the Paragraph "1-1. Output Voltage Adjustment".





<Confirmation of Under Cut Operation>

1. After completion of the above adjustment, confirm the "Under Cut Operation"
2. Make sure that the Optional IF Boards AJ-YA120AG and AJ-YAD120AG are installed. If not, install them according to the Operation Instraction.
3. Supply DC 12.00V from DC Power Supplier to the XLR 4 pin connector and connect the digital volt meter as shown in the above figire.
4. Turn on the VTR power and insert a cassette tape, and place the VTR in the STOP mode.
5. Observe the VTR condition while decrease the voltage at the XLR connector for 10.60V ± 0.20V.
6. Confirm that the VTR changes to Auto Eject and then Auto Off mode.
7. If it does not, perform the adjustment steps 1 to 9 again.

3. SERVO Board

3-1. FG DC Adj.

BOARD	SERVO
TP	--------
ADJ.	SERVICE MENU
TAPE	--------
INPUT	--------
MODE	--------
M. EQ	--------
SPEC.	Perform the procedure below.

<Service Manu Setting>

SERVO ADJUST ----- A01: FG DC ADJ

1. Open the service menu and select the above.
2. The VTR performs the following operation, when continuously pressing the “MODE” button on the Front Panel.
   1) Brake Solenoid ON (Brake OFF)
   2) Capstan Motor Rotates
   3) Reel Motors Rotate

   After 5-10 seconds,
   4) Brake Solenoid OFF (Brake ON)
   5) FG DC Adjustment
3. When the FG DC adjustment is completed, it shows “A01: FG DC ADJ” “OK”.

<Note>

This adjustment is needed after replacing of Mechanical Chassis, Servo Board or VOUT/SYS Board.

3-2. Reel Torque Gain Adj.

BOARD	SERVO
TP	--------
ADJ.	SERVICE MENU
TAPE	--------
INPUT	--------
MODE	EJECT
M. EQ	--------
SPEC.	Perform the procedures below.

<Service Manu Setting>

SERVO ADJUST ----- A02: RL GAIN ADJ

1. Open the service menu and select the above.
2. The VTR perfumes the following operation, when continuously pressing the “SEARCH” button on the Front Panel.
   1) T Reel Rotates
   2) S Reel Rotates
3. After 5-6 seconds, the adjustment value on the monitor will be disappeared and then updated.
4. Repeat the steps 2 and 3 again.

<Note> This adjustment should be performed before “3-3. Reel Torque Offset Adjustment”.

3-3. Motor Torque Offset Adj.

BOARD	SERVO
TP	REEL MOTOR
ADJ.	SERVICE MENU
TAPE	---
INPUT	---
MODE	---
M. EQ	Dial Torque Gauge (VFK1191A) Dial Torque Gauge Adaptor (VFK1152)
SPEC.	0.16cN·m ± 0.01cN·m (Average of 5 times monument)

<Service Manu Setting>

SERVO ADJUST ----- A03: T TORQUE
SERVO ADJUST ----- A04: S TORQUE

1. Open the service menu and select the above.
2. Set the Dial Torque Gauge with Torque Gauge Adaptor on the T reel table.
3. Press the “MODE” button on the Front Panel.
4. Adjust the T Reel Torque by pressing the <+> and <-> buttons on the Front Panel so that the average of 5 times measurement is in the specification.
5. Press the “SET” switch on the Front Panel.
6. Perform the same steps for the S Reel Table.

3-4. PG Sifter Adj.

BOARD	SERVO
TP	SERVIE MENU
ADJ.	---
TAPE	VFM3780KML
INPUT	---
MODE	PLAY
M. EQ	OSCILLOSCOPE
SPEC.	Performer the procedures below.

<Service Manu Setting>

SERVO ADJUST ----- A05: PG SHFTER

1. Open the service menu and select the above.
2. Play back the HDLP Alignment Tape.
3. Continuously press the “MODE” switch on the Front Panel so that the previous data disappears and new data come up.

3-5. Photo Sensor Voltage Adj.

Refer the Paragraph 1-3. Photo Sensor Voltage Adj. in the “Section 3 (Mechanical Adjustment).

3-6. Tension Arm Offset Adj.

Refer the Paragraph 1-5. Tension Arm Offset Adj. in the “Section 3 (Mechanical Adjustment).

3-7. Tension Arm Play Voltage Adj.

Refer the Paragraph 1-7. Tension Arm Play Voltage Adjustment in the “Section 3 (Mechanical Adjustment).

4. RF/EQ Board

< Note >

After replacing the cylinder unit, perform the paragraphs 4-1, 4-2, 4-3 and 4-4. “RF Level Adjustments” before performing LISTA adjustment.

4-1. RF Level Adj. (HDLP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3780KML (Color Bar)
M. EQ	Oscilloscope
SPEC.	A Max = 500mVp-p ± 50mV

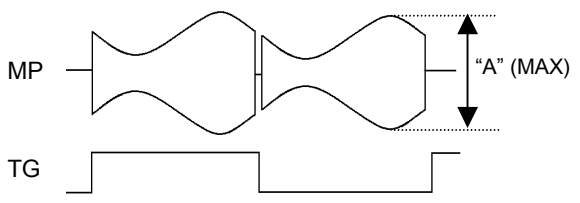
<Service Menu Setting>

B00: RF ADJUST ---- B-1: HDLP PB ADJUST

1. Open the service menu and select the “HDLP PB ADJUST”.
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the HDLP alignment tape (VFM3780KML) in the STILL mode.
4. Adjust each EVR so that the envelope maximum level is in the specification.
5. To save the EVR data, select B22 DEFAULT and press the “Set Button”, then the “SAVE” indication appears, press the “SET Button” again.

B1: HDLP_PB ADJUSTMENT

Test Point		Adj. EVR	Trigger Point
TP201 (PB L13ch)	B01 B02	PB MAG L1 PB MAG L3	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	PB MAG R1 PB MAG R3	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	PB MAG L2 PB MAG L4	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	PB MAG R2 PB MAG R4	TP4 (PB R24 HSW)
TP205 (RP L12ch)	B09 B10	RP MAG L1 RP MAG L2	TP5 (RP L12 HSW)



Refer the measuring point (MP) and torigger point (TG) in the above for each head.

4-2. RF Level Adj. (HDSP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3580KM or KL (25M Color Bar)
M. EQ	Oscilloscope
SPEC.	“A” Max = 500mVp-p ± 50mV (TP201, TP202, TP203, TP204) “A” Max = 750mVp-p ± 50mV (TP205)

<Service Menu Setting>

B00: RF ADJUST ---- B-2 HDSP ADJUST

1. Open the service menu and select the “HDSP PB ADJUST”.
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the 25M alignment tape (VFM3580KMor KL) in the STILL mode.
4. Adjust each EVR so that the envelope maximum level is in the specification.
5. To save the EVR data, select B22 DEFAULT and press the “Set Button”, then the “SAVE” indication appears, press the “SET Button” again.

<Note>

Since the adjustment value of TP205 differs from others.

B2: HDSP_PB ADJUSTMENT

Test Point		Adj. EVR	Trigger Point
TP201 (PB L13ch)	B01 B02	PB MAG L1 PB MAG L3	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	PB MAG R1 PB MAG R3	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	PB MAG L2 PB MAG L4	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	PB MAG R2 PB MAG R4	TP4 (PB R24 HSW)
TP205 (TR L21ch)	B09 B10	TR MAG L2 TR MAG L1	TP7 (TR L21 HSW)

4-3. RF Level Confirmation (SDSP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3580KM or KL (25M Color Bar)
M. EQ	Oscilloscope
SPEC.	"A" Max = 500mVp-p ± 100mV (TP201, TP202, TP203, TP204) "A" Max = 750mVp-p ± 100mV (TP205)

<Service Menu Setting>

B00: RF ADJUST ---- B-3 SDSP ADJUST

1. Open the service menu and select the "SDSP PB ADJUST".
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the 25M alignment tape (VFM3580KM or KL) in the STILL mode.
4. Make sure that each envelope maximum level is in the specification.

<Note>

Since the adjustment value of TP205 differs from others.

B-3: SDSP_PB ADJUSTMENT

Test Point		Trigger Point
TP201 (PB L13ch)	B01 B02	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	TP4 (PB R24 HSW)
TP205 (TR L21ch)	B09 B10	TP7 (TR L21 HSW)

4-4. RF Level Confirmation (DVSP)

BOARD	RF/EQ
TP	See Table Below
ADJ.	Service Menu
INPUT	----
MODE	STILL
TAPE	VFM3010ESD (Color Bar)
M. EQ	Oscilloscope
SPEC.	A Max = 500mVp-p ± 100mV

<Service Menu Setting>

B00: RF ADJUST ---- B-4 SDSP ADJUST

1. Open the service menu and select the "SDSP PB ADJUST".
2. Connect the oscilloscope to Measuring Point (MP) and Trigger Point (TG) as shown in the table below.
3. Play back the DV alignment tape (VFM3010ESD) in the STILL mode.
4. Make sure that each envelope maximum level is in the specification.

B-4: DVSP_PB ADJUSTMENT

Test Point		Trigger Point
TP201 (PB L13ch)	B01 B02	TP1 (PB L13 HSW)
TP202 (PB R13ch)	B03 B04	TP2 (PB R13 HSW)
TP203 (PB L24ch)	B05 B06	TP3 (PB L24 HSW)
TP204 (PB R24ch)	B07 B08	TP4 (PB R24 HSW)
TP205 (RP L12ch)	B09 B10	TP5 (RP L12 HSW)

4-5. Automatic Adjustment Procedure

(Software)

This software is for Automatic RF Adjustment of DVCPRO HD VTR, model AJ-HD1200A.
This adjustment should be performed after completion of the RF Level Adjustment.

< Function >

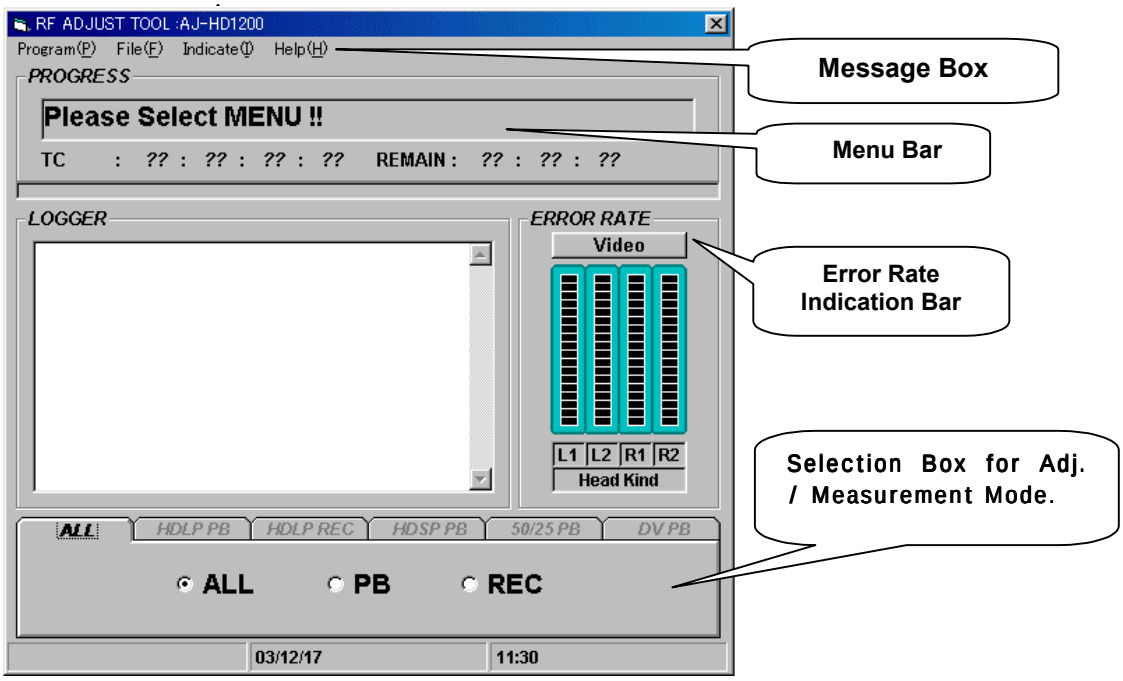
1) RF Adjustment
   [DVCPRO HD-LP (Recording and Playback), DVCPRO HD-SP, DVCPRO 50, DVCPRO and DV(Playback)]
2) Checking of Error Rate
3) Download and Upload of EVR Data
4) Saving/ Loading the data of Error Rate and EVR
5) Printing the data of Error Rate and EVR

(Before Installation)

* PC Condition
  OS : Windows95/ 98/ 98SE/ ME/ 2000 or Over
  Display : Over 256 color (if lower than 256 color, the color may have the distortion)
* How to get this software
  Download **"Automatic RF Adjustment Software (VFK1892)"** from Jig software page on Global Service Web site.
* Installation Method
  1) Extract the downloaded software.
  2) Click **"setup.exe"**.
  3) Follow the indication.
* Un-installation Method
  Open **"Control Panel"** on Windows and use **"Add/Remove Programs"** to un-install this software.

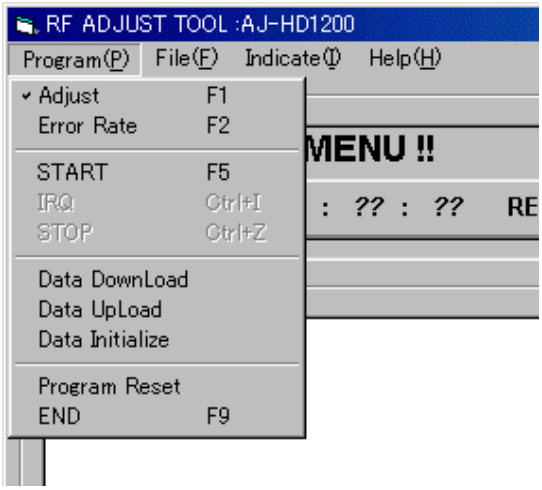
(Explanation of Each Windows)

a) Main Window



a-1) Explanation of Main window and menu bar.

1) Program Menu



[Adjust]
Adjustment program can be selected clicking this portion.

[Error Rate]
Error rate check can be selected clicking this portion.

[START]
Adjustment or Error rate checking can be started by clicking this portion.

[IRQ]
Break into the program during execution by clicking this portion. (It is effective, only on limited process.)

[STOP]
The program can be stopped, forcibly by clicking this portion.

[Data Download]
Receiving EVR data to PC from the attached VTR. (VTR to PC)

[Data Upload]
Transfer the RF adjustment data from PC to VTR for setting up. (PC to VTR)

* Data Upload can not be accessed unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is executed.

[Data Initialize (include Upload)]
Setting up the RF initial adjustment data into the attached VTR.

[Program Reset]
All parts of application program can be reset.

[END]
By clicking this portion, application software can be closed.

2) File menu

By clicking this, error rate data and EVR data can be processed as a file.



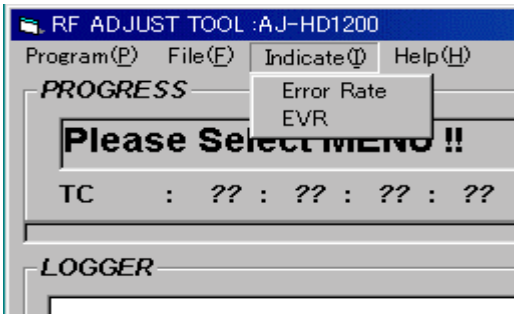
[Save]
Error rate and/or EVR data can be saved on the file.
During this mode, following file can be made. ***.dst

* This item can not be accessed unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is executed.

[Load]
Error rate and/ or EVR data can be loaded from the file (***.dst).

3) Indicate Menu

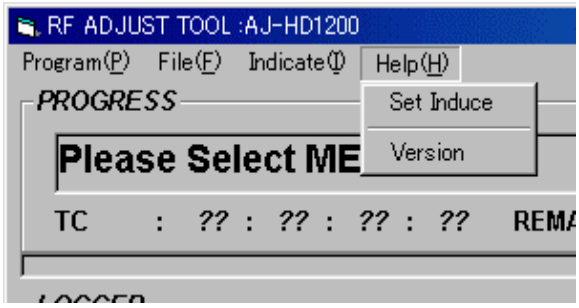
This is the menu which indicates ErrorRate/ EVR (Adjustment value)



[Error Rate]
Error rate data can be displayed.

[EVR]
EVR data can be displayed.

4) Help Menu



[Manual]
This software doesn't use this function.

[Version]
Software version is displayed.

a-2) Adjustment/ Measurement item selection BOX

1) Selection of Adjustment/ Measurement category



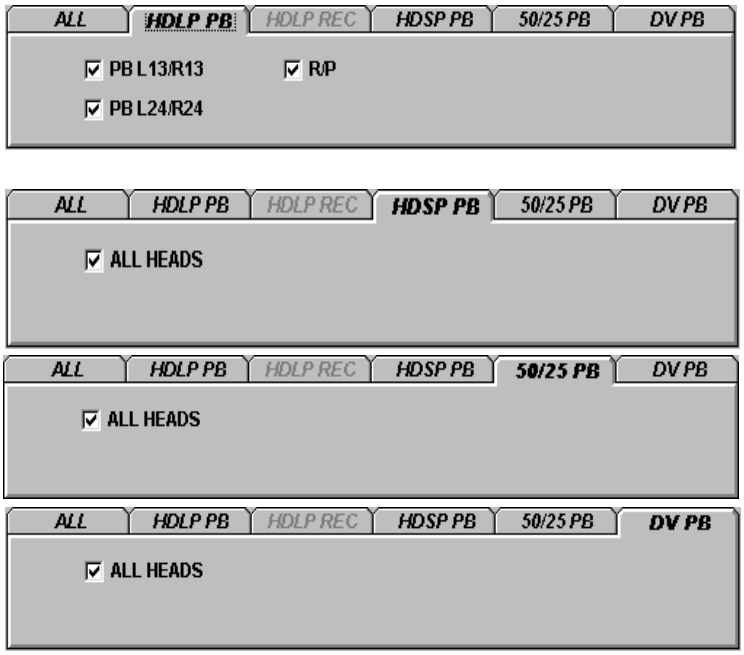
[ALL]
All items are selected.

[PB]
Playback category is selected. HDLP PB, HDSP PB, 50/25 PB or DV PB can be individually selected.

[REC]
Recording category is selected. (HDLP) can be individually selected.

2) Selection of Playback Category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)



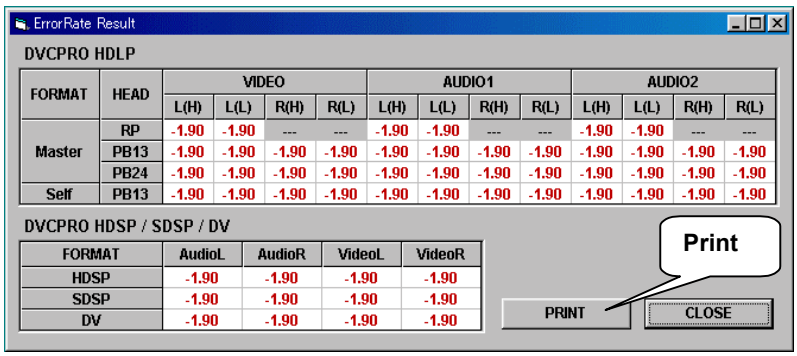
3) Selection of Recording Category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)



b) The result of error rate

The error rate data can be displayed and printed.

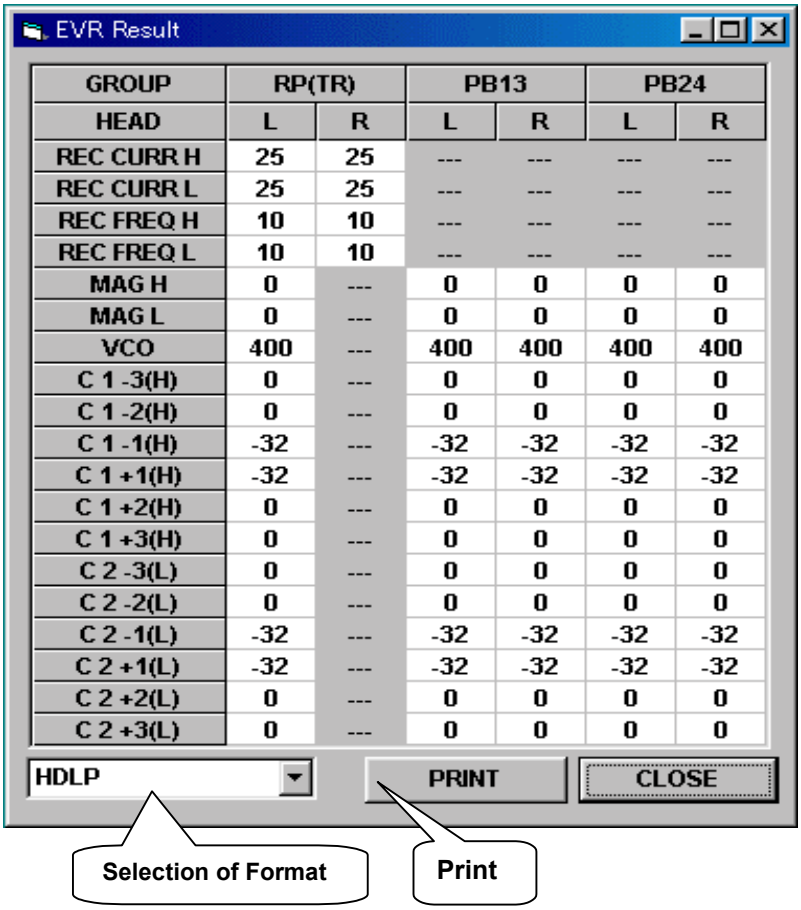


FORMAT	HEAD	VIDEO				AUDIO1				AUDIO2			
		L(H)	L(L)	R(H)	R(L)	L(H)	L(L)	R(H)	R(L)	L(H)	L(L)	R(H)	R(L)
Master	RP	-1.90	-1.90	---	---	-1.90	-1.90	---	---	-1.90	-1.90	---	---
	PB13	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90
	PB24	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90
Self	PB13	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90

FORMAT	AudioL	AudioR	VideoL	VideoR
HDSP	-1.90	-1.90	-1.90	-1.90
SDSP	-1.90	-1.90	-1.90	-1.90
DV	-1.90	-1.90	-1.90	-1.90

c) EVR value Chart

The EVR value (adjustment data) can be displayed and printed.

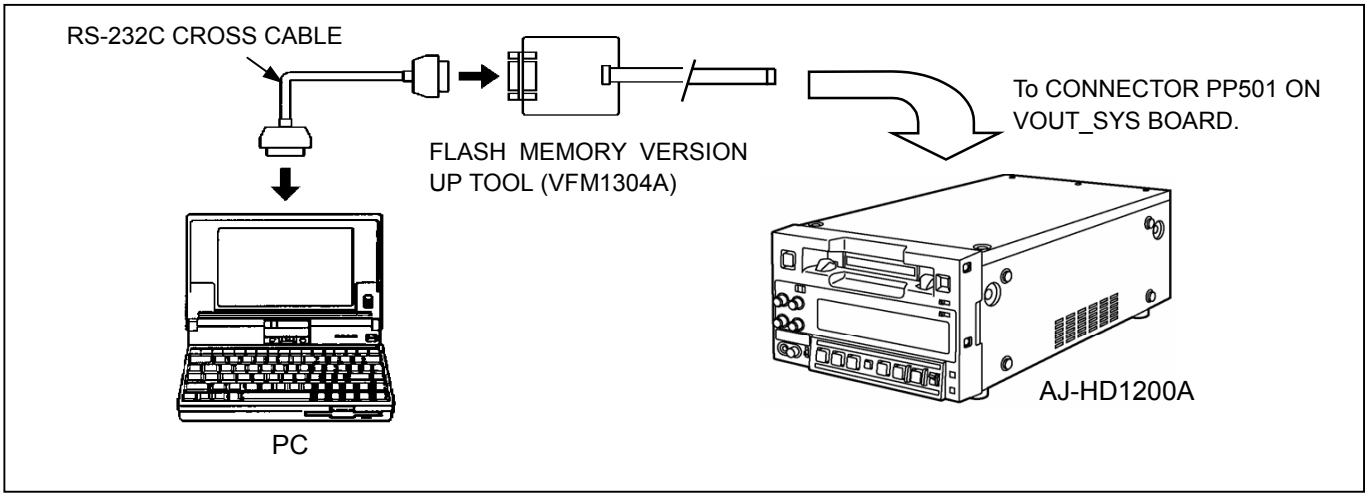


GROUP	RP(TR)		PB13		PB24	
HEAD	L	R	L	R	L	R
REC CURR H	25	25	---	---	---	---
REC CURR L	25	25	---	---	---	---
REC FREQ H	10	10	---	---	---	---
REC FREQ L	10	10	---	---	---	---
MAG H	0	---	0	0	0	0
MAG L	0	---	0	0	0	0
VCO	400	---	400	400	400	400
C 1 -3(H)	0	---	0	0	0	0
C 1 -2(H)	0	---	0	0	0	0
C 1 -1(H)	-32	---	-32	-32	-32	-32
C 1 +1(H)	-32	---	-32	-32	-32	-32
C 1 +2(H)	0	---	0	0	0	0
C 1 +3(H)	0	---	0	0	0	0
C 2 -3(L)	0	---	0	0	0	0
C 2 -2(L)	0	---	0	0	0	0
C 2 -1(L)	-32	---	-32	-32	-32	-32
C 2 +1(L)	-32	---	-32	-32	-32	-32
C 2 +2(L)	0	---	0	0	0	0
C 2 +3(L)	0	---	0	0	0	0

4-6. Auto EQ Adjustment Procedure

A) Preparation

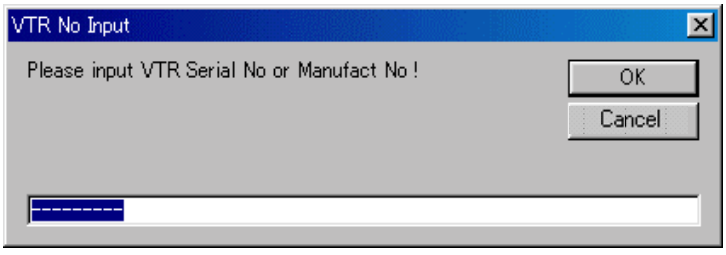
1) Connect the VTR with PC by RS232C cable (Cross cable) as below.



2) Turn the VTR power on.
3) Press the Counter Button on the Front Panel to select the “TC”.
4) Turn the 2nd bit of SW1 on the VOUT SYS on.
5) Set the LOCAL/MENU/REMOTE switch on the Front Panel at the “MENU”.
6) Select “022 PB_FORMAT” and then select “AUTO”.
7) Set the LOCAL/MENU/REMOTE switch on the Front Panel at the “REMOTE”.
8) Set the TAPE/EE switch on the Front Panel at the “TAPE”

B) Execution of Software Application.

1) Confirm that the VTR power is on.
2) Select start → Program → Panasonic Tool → HD1200Rf in the Start menu program in PC.
3) Main screen of the application software appears.
4) Open the program menu and select as follows;
   Adjustment: Select **“Program → Adjust”**.
   Measurement: Select **“Program → Error Rate”**.
5) Select the item needed about adjustment & measurement from. Adjustment/ Measurement item selection BOX (refer to (a-2)).
6) Select **“Program → Start”**
7) Input the Serial No. or Manufacture. No. and press **“OK”**.

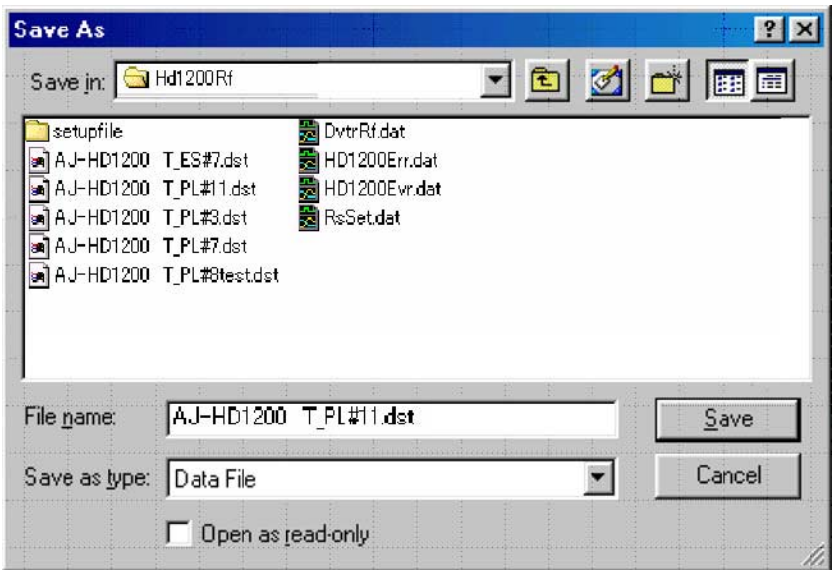


8) Follow the indication on the message box. Then adjustment is started automatically.
9) Error result is displayed after executing the adjustment program. Press close button after confirming it.
10) Select **“File → Save”** in order to save the Error rate data & EVR data to PC.
11) If it is not needed to save them, skip this process.

(Caution)
This item can not be accessed unless **“Data Download”**, **“Load on File menu”** or **all adjustment program** is executed.

12) The screen of item (7) appears again. Press **“OK”** button if serial data information is not required to be changed.

13) Following screen appears. Press **"SAVE"** button.

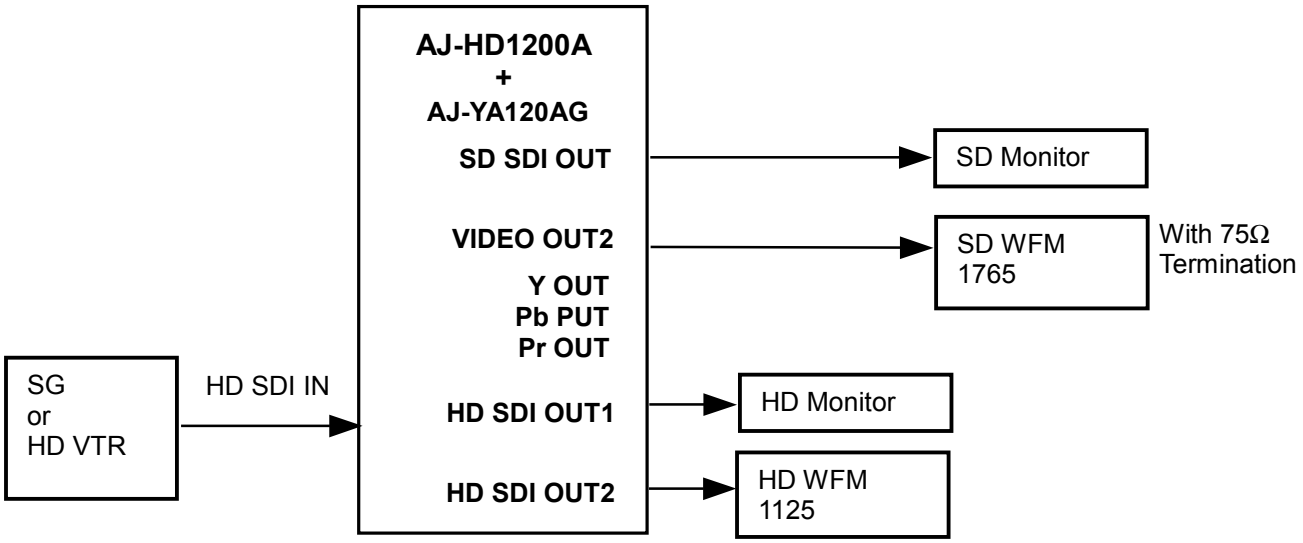


(Reference)

1) Storing the adjustment data manually is not necessary because the adjustment data is automatically stored in the memory after finishing the Automatic Equalizer adjustment.
2) Select **"Program STOP"** if the program needs to be stopped.
3) Remaining time of the tape is monitored by this program. VTR automatically rewinds the tape when the Tape remaining time isn't enough for adjustment or measurement. (Select **"Program → IRQ"** if required to stop REW mode.)

5. V OUT Board

5-1. Connection

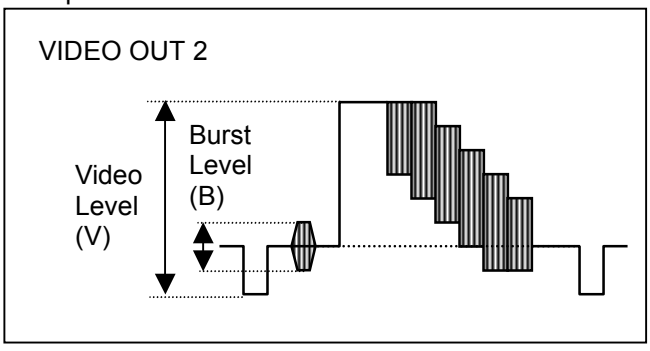


Note: 1. All cable should be 75Ω and 1.5m.
2. Optional Board AJ-YA120AG should be installed in the AJ-HD1200A

5-2. VIDEO OUT2 Level and Frequency Response Adj.

BOARD	VOUT/SYS
TP	VIDEO OUT 2
ADJ.	VR430, VR431
INPUT	----
MODE	HD SDI IN : 1080/59i Color Bar
TAPE	EE
M. EQ	WFM(1765), Vectorscope
SPEC.	Video Level (V) = 1000mV±10mV Burst Level (B) =286mV ± 7mV Vector Dot = ±2.5°, ±2.5%

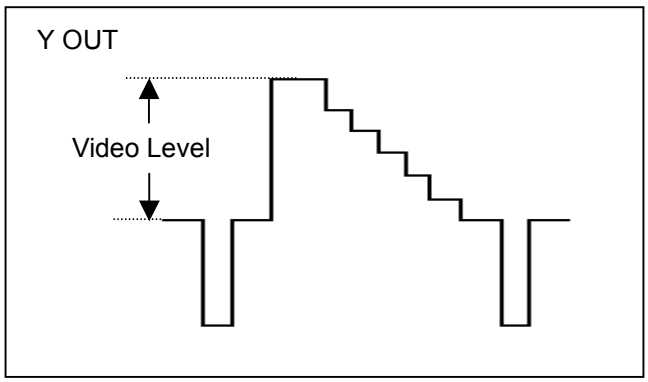
1. Adjust VR430 so that the video level (V) is in the specification.
2. Adjust VR431 so that the burst level (B) is in the specification.
3. The vector dot in the vector scope be within the specification.



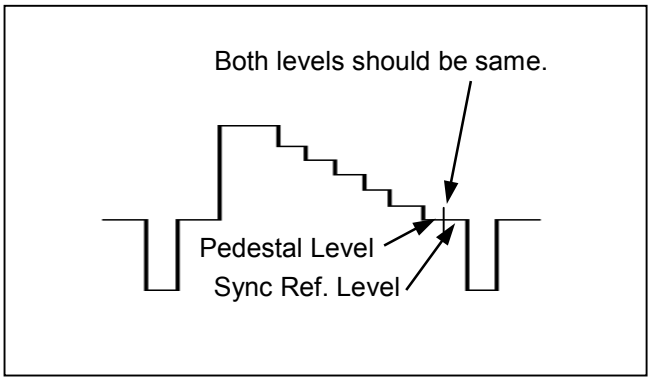
5-3. Y/G OUT Level Adj.

BOARD	VOUT/SYS
TP	Y/G OUT
ADJ.	VR300, VR306, VR307
INPUT	----
MODE	HD SDI IN : 1080/59i Color Bar
TAPE	EE
M. EQ	Oscilloscope
SPEC.	Video (V) = 700mV±10mV Sync Ref. Level = Pedestal Level (0mV DC±5mV DC) Sync Level = 600mV±10mV

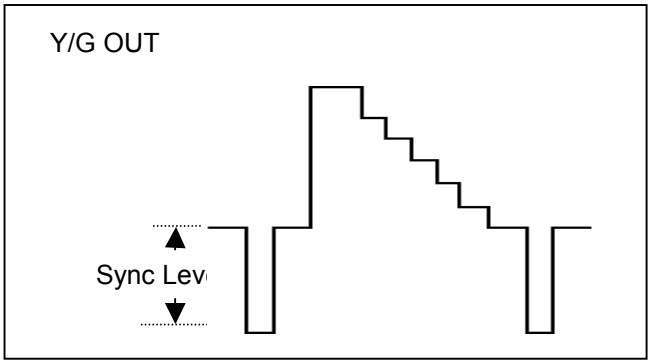
1. Adjust VR300 so that the video level (V) is in the specification.



2. Adjust VR307 so that the pedestal level meets to the sync reference level.



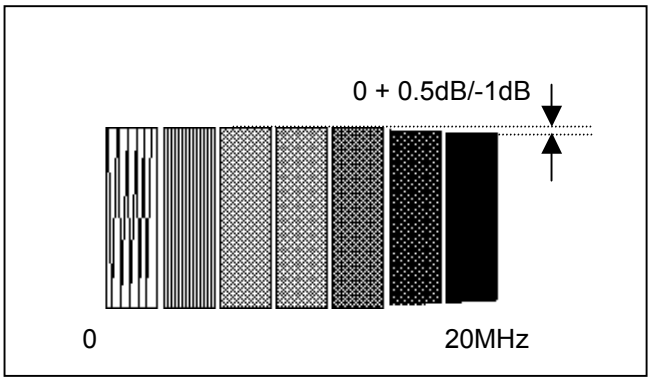
3. Adjust VR306 so that the sync level is in the specification.



5-4. Y/G OUT Frequency Response Adj.

BOARD	VOUT/SYS
TP	Y/G OUT
ADJ.	VR303
INPUT	----
MODE	HD SDI IN : 1080/59i, Multiburst (Y/Pb/Pr)
TAPE	EE
M. EQ	Oscilloscope
SPEC.	0-20MHz = Flat (0+0.5dB/-1dB)

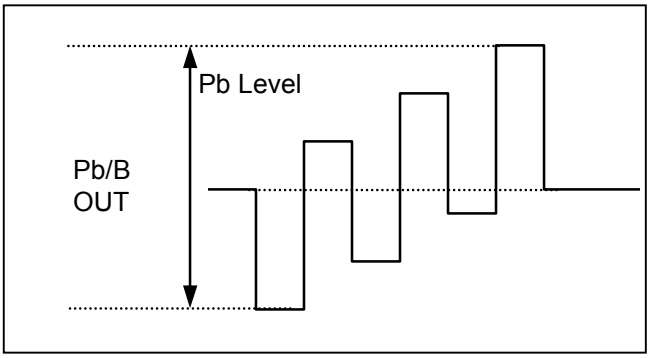
1. Adjust VR303 so that the frequency from 0 to 20MHz is in the specification.



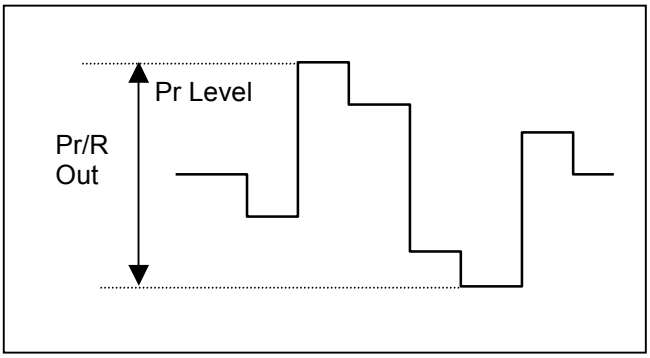
5-5. Pb/B OUT, Pr/R OUT Level Adj.

BOARD	VOUT/SYS
TP	Pb/B OUT, Pr/R OUT
ADJ.	VR301, VR302
INPUT	----
MODE	HD SDI IN : 1080/59i Color Bar (100% With Chroma)
TAPE	EE, EJECT
M. EQ	Oscilloscope
SPEC.	Pb/B OUT Level = 700mV±10mV Pr/R OUT Level = 700mV±10mV

1. Adjust VR301 so that the Pb level is in the specification.



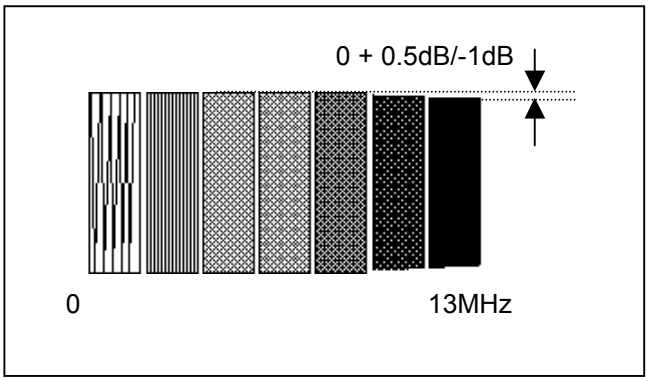
2. Adjust VR302 so that the Pr level is in the specification.



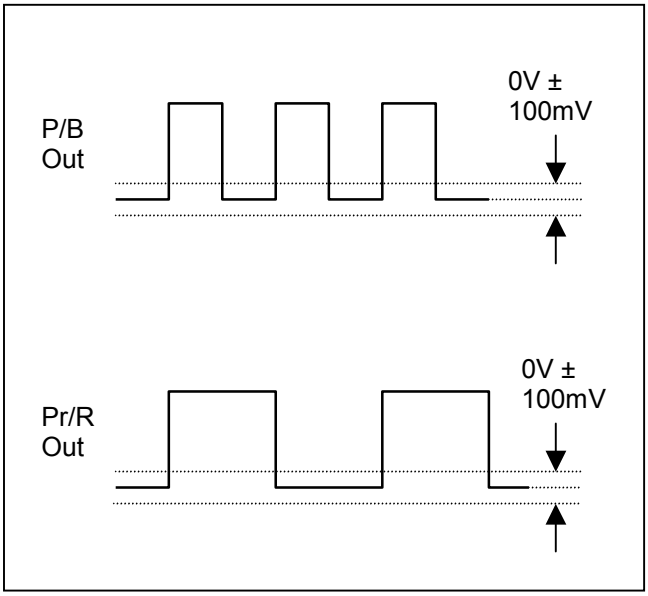
5-6. Pb/B OUT, Pr/R OUT Frequency Response and DC Level Adj.

BOARD	VOUT/SYS
TP	Pb/B OUT, Pr/R OUT
ADJ.	VR304 (Pb LV), VR305 (Pr LV)
INPUT	----
MODE	HD SDI IN : 1080/59i, Multiburst (Y/Pb/Pr)
TAPE	EE
M. EQ	Oscilloscope
SPEC.	Pb/Pr : 0-1.3MHz = Flat (0+0.5dB/-1dB) R/G/B DC Level: 0V ± 100mV

1. Connect the oscilloscope to the Pb/B output and adjust VR304 so that the frequency from 0 to 13MHz is in the specification.
2. Connect the oscilloscope to the Pr/R Output and adjust VR305 so that the frequency from 0 to 13MHz is in the specification.



3. Open the setup menu (616) and select the RGB from the Y/Pb/Pr.
4. Confirm that the DC level on the RGB signal is in the specification.



6. A PROC (Audio) & CUE Boards

6-1. Initial Setting

♦ In order to perform the audio recording and playback adjustment, Optional Board AJ-YA120AG should be installed.

<Switches on the Front Panel>

Set the Switch and Control on the Front Panel as shown below.

Switch & Control	Setting
REC VR (CH1, 2, 3, 4)	PUSH DOUN
HP VR	CENTER
AUDIO MON SELECT	ST
REMOTE/MENU/LOCAL	LOCAL

<Audio Analyzer Setting>

Set the Audio Analyzer as shown below.

Item	Setting
GENERATOR OUTPUT	50Ω (A&B, BAL, FLOAT)
ANALYZER CHA INPUT	100Ω
ANALYZER CHB INPUT	100Ω
UNIT SETTING	dBu

<Service Menu Setting>

1. Turn ON the 2nd pin of DIP SW1 on the V OUT/SYS Board.
2. Set the REMOTE/MENU/LOCAL switch on the right side of Front Panel to the MENU position so that the “Service Menu” appears.
3. Move the cursor to the following number and set each item.

No.	Item	Setting
G01	REF. LEVEL1	P : FS20 E/MC : FS18
G02	REF. LEVEL2	0dB
G03	REF.LV INI	P/E : 0dB MC : 4dB
G21	IN IMP INI	HIGH
G22	AUD OUT SELUE	TYPE 1

< Setup Menu Setting for Audio >

1. Set the REMOTE/MENU/LOCAL switch on the right side of Front Panel to the MENU position so that the “Service Menu” appears.
2. Move the cursor to the following number and set each item.

No.	Item	Setting	
		P/E	MC
700	AUDIO IN SE L	ANA	
701	CH1 IN LV	0dB	+4dB
702	CH2 IN LV	0dB	+4dB
703	CH3 IN LV	0dB	+4dB
704	CH4 IN LV	0dB	+4dB
706	CH1 OUT LV	0dB	+4dB
707	CH2 OUT LV	0dB	+4dB
708	CH3 OUT LV	0dB	+4dB
709	CH4 OUT LV	0dB	+4dB
730	REC CUE	CH1+2	
731	PB FADE	AUTO	
732	EMBEDED AUD	ON	
765	CUE OUT SEL	OFF	
769	MONI SEL	PLYPCM	
770	MONITOR MIX	STEREO	
771	H.PHONE MIX	STEREO	
780	AUD OUT SEL	LINE	
781	IN IMP SEL	HIGH	

6-2. Output Level Adj.

BOARD	A PROC
TP	LINE OUT (CH1-CH4)
ADJ.	VR201 [CH1 OUT LV] VR202 [CH2 OUT LV] VR203 [CH3 OUT LV] VR204 [CH4 OUT LV]
INPUT	INT SG (MENU:700)
MODE	EE
TAPE	---
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E: 0 dBu ± 0.2dB AJ-HD1200AMC : +4 dBu ± 0.2 dB

1. Open the setup menu and select the “(700): AUDIO IN SEL”, and set the “INT SG”.
2. Adjust VR201, VR202, VR203 and VR204 so that the Line Output Level at CH1-CH4 is in the specification.
3. Make sure that the Audio Level Meters CH1 and CH2 show as follows.
   AJ-HD1200AP ---------- -20dB
   AJ-HD1200 A E /MC ------ -18dB
4. Change the Audio Level Meter selection to the CH3 and CH4, and confirm that the meter show the same as above.

6-3. Input Level Adj.

BOARD	A PROC_CUE
TP	LINE OUT (CH1-CH4)
ADJ.	VR401 [CH1 IN LV] VR402 [CH2 IN LV] VR403 [CH3 IN LV] VR404 [CH4 IN LV]
INPUT	AUDIO IN (CH1-CH4)
MODE	EE
TAPE	---
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E : 0 dBu ± 0.2dB AJ-HD1200AMC : +4 dBu ± 0.2 dB

1. Adjust VR401, VR402, VR403 and VR404 so that the audio level at the Line Outputs (CH1-CH4) is in the specification.

6-4. CUE PB Level Adj.

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR413 [CUE PB]
INPUT	---
MODE	PLAY
TAPE	VFM3380KM (50M) VFM3580KM/KL (25M/ 0-14min.) VFM3783KML (HDSP/ 0-10min.)
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E : 0 dBu ± 1dB AJ-HD1200AMC : +4 dBu ± 1dB

1. Open the setup menu and select “(769) MONI SEL”, and then set the “PLYCUE”.
2. Select “(780) AUD OUT SEL” and then set the “CH1/2”.
3. Play back the 50M Alignment Tape.
4. Adjust VR413 so that the playback level at the Line Out CH3 is in the specification.
5. Play back the 25M and HDSP Alignment Tape, and make sure that the playback level is in the specification.

6-5. CUE Noise Cancel Adj. (HDSP Mode)

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR4306 [C LV18] VR4301 [C PS18]
INPUT	---
MODE	PLAY
TAPE	VFM3783KML
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	AJ-HD1200AP/E : -40dBu or Less AJ-HD1200AMC : -36dBu or Less

<Audio Analyzer Setting>
Set the Audio Analyzer as shown below.
MEASURE: BANDPASS
BP/BR FREQ: 1200Hz
FILTER: OFF

1. Play back the portion after 10 unites of the Alignment Tape (VFM3783KML/ Without Cue Audio).
2. Adjust VR4306 and VR4301 alternately for 3-4 times to minimize the noise level.

6-6. CUE Noise Cancel Adj. (50M Mode)

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR4305 [C LV9] VR4302 [C PS9]
INPUT	---
MODE	PLAY
TAPE	
M. EQ	
SPEC.	Less than -36dBu

<Audio Analyzer Setting>
Set the Audio Analyzer as shown below.
MEASURE: BANDPASS
BP/BR FREQ: 600Hz
FILTER: OFF

1. Create a 50M recorded tape without the CUE audio by any other DVCPRO50.
   And play back the recorded portion.
2. Adjust VR4305 and VR4302 alternately 3-4 times to minimize the noise level.

6-7. CUE Bias Current Adj.

BOARD	RF/CUE
TP	LINE OUT (CH3)
ADJ.	VR4001 [CUE BIAS]
INPUT	LINE IN (CH1, CH2), AJ-HD1200AP/E : 1KHz, 0 dBu AJ-HD1200AMC : 1KHz, +4 dBu
MODE	REC → PLAY
TAPE	Blank Tape
M. EQ	Audio Analyzer
SPEC.	Maximum Output of Self-Recording/Playback Within -0.5dB

<Audio Analyzer Setting>
Set the Audio Analyzer as shown below.
MEASURE: BANDPASS
BP/BR FREQ: 600Hz
FILTER: OFF

1. Set VR4001 fully CCW position.
2. Reset the front CTL counter to “0”.
3. Supply the above 1 KHz sine wave signal to the LINE IN CH1 and CH2.
4. Place the unit in the record mode and rotate VR4001 by 45 degrees for every fixed time at a time as shown the table below.

Rotation of VR4001	Recording Time (CTL Counter) [Example]
0° (Fully CCW)	00:00:00 - 00:30:00
45°	00:30:00 - 01:00:00
90°	01:00:00 - 01:30:00
135°	01:30:00 - 02:00:00
180°	02:00:00 - 02:30:00
225°	02:30:00 - 03:00:00
270°	03:00:00 - 03:30:00
315° (Fully CW)	03:30:00 – 04:00:00

5. Play back the portion just recorded and set VR4001 at the point where the Play back the portion recorded and set VR4001 as the point where the maximum CH3 output.
6. maximum CH3 output.

6-8. CUE REC/PB Level Adj.

BOARD	RF/CUE
TP	LINE OUT
ADJ.	VR4002 [REC CURR]
INPUT	LINE IN, AJ-HD1200AP/E : 1KHz, 0 dBu AJ-HD1200AMC : 1KHz, +4 dBu
MODE	REC → PLAY
TAPE	Blank Tape
M. EQ	Audio Analyzer
SPEC.	AJ-HD1200AP/E : 0 dBu ± 1 dB AJ-HD1200AMC : +4 dBu ± 1 dB

1. Open the Set-up menu and select “(730) REC CUE” and set “CH1+2”.
2. Supply the following signal to both CH1 and CH2 LINE IN.
   AJ-HD1200AP/E: 1 kHz, 0dBu ± 1dB
   AJ-HD1200AMC: 1 KHz, +4dBu ± 1dB
3. Confirm that the playback level is in the specification.
   If not, adjust VR4002 and repeat the steps 1-3 until the playback level is in the specification.

7. SGEN_SDI & UDC Boards (AJ-YA120AG)

Preparation

1. In order to perform the electrical adjustment for the optional SDI In/OUT Board (AJ-YA120AG), it should be installed in the Digital HD Video Cassette Player AJ-HD1200A.
2. Refer the Operation Instructions for more details of the installation.

7-1. NTSC 4fsc Adj.

BOARD	SGEN SDI / UDC
TP	TP300
ADJ.	VR305 [NTSC FREQ]
TAPE	---
INPUT	---
MODE	EE
M. EQ	Frequency Counter
SPEC.	14.318180MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 59/60
OUTREF: SDREF
HD FREQUENCY: 59/23
SYS FORMAT 1080i

1. Do not supply any signal to the SDREF input.
2. Connect the frequency counter to TP300 and adjust VR305 so that the frequency is in the specification.

7-2. HD 74MHz / 59.94HzAdj.

BOARD	SGEN SDI / UDC
TP	TP401
ADJ.	VR401 [HD FREQ59]
TAPE	---
INPUT	EE
MODE	---
M. EQ	Frequency Counter
SPEC.	74.175824MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 59/60
OUTREF: HDREF
HD FREQUENCY: 59/23
SYS FORMAT 1080i

1. Connect the frequency counter to TP401 and adjust VR401 so that the frequency is in the specification.

7-3. PAL 4fsc Adj.

BOARD	SGEN SDI / UDC
TP	TP300
ADJ.	VR304 [PAL FREQ]
TAPE	---
INPUT	---
MODE	EE
M. EQ	Frequency Counter
SPEC.	17.734475MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Connect the frequency counter to TP300 and adjust VR304 so that the frequency is in the specification.

7-4. HD 74.25MHz / 50Hz, 60.00Hz Adj.

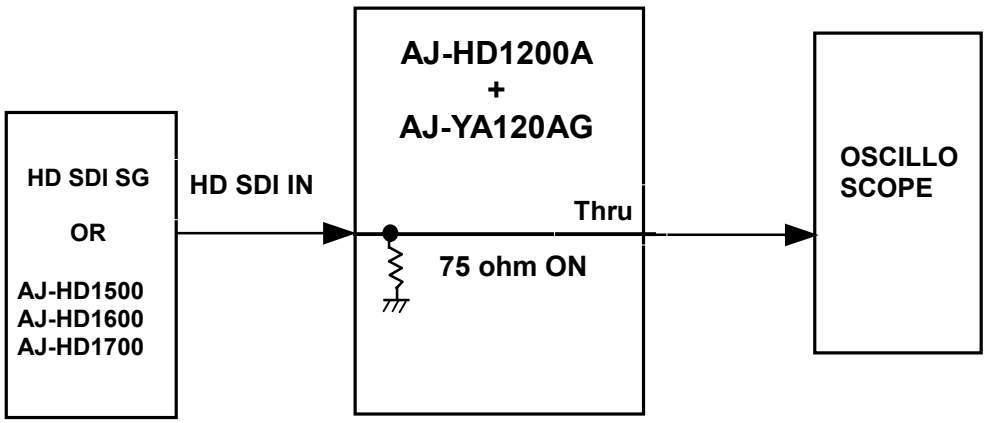
BOARD	SGEN SDI / UDC
TP	TP401
ADJ.	VR400 [HD FREQ60]
TAPE	---
INPUT	---
MODE	EE
M. EQ	Frequency Counter
SPEC.	74.250000MHz ± 500Hz

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: HDREF

1. Connect the frequency counter to TP400 and adjust VR400 so that the frequency is in the specification.

Adjustment System



Not: ALL cables should be 75 ohm and 1.5m.

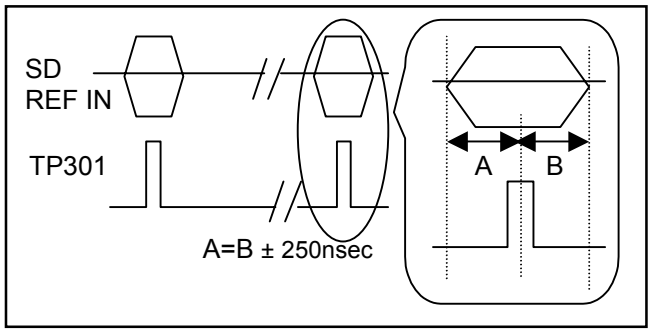
7-5. NTSC Burst Sampling Phase Adj.

BOARD	SGEN SDI / UDC
TP	SD REF IN Through OUT, TP301
ADJ.	VR302 [NTSC_S/H]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Pulse at TP301=Center of Burst ± 250nsec (A=B ± 250nsec)

<VTR Menu Setting>

SYSTEM FREQUENCY:	59/60
OUTREF:	SDREF
HD FREQUENCY:	59/23
SYS FORMAT	1080i

1. Adjust VR302 so that the position of sampling pulse (TP301) is positioned at the center of the burst signal on the SD REF signal.



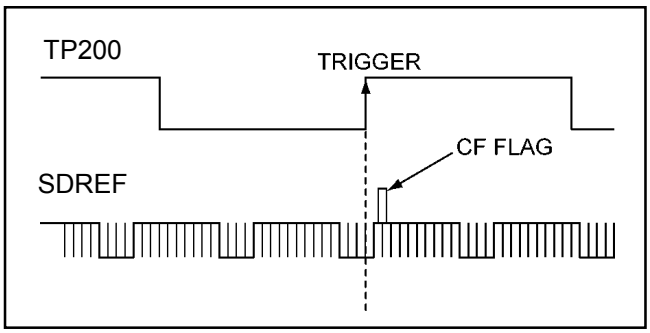
7-6. NTSC CF Phase (1) Adj.

BOARD	SGEN SDI / UDC
TP	TP200, SD REF IN Through OUT
ADJ.	VR300 [NTSC_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	CF flag of SD REF input is coincided with leading edge of TP200

<VTR Menu Setting>

SYSTEM FREQUENCY:	59/60
OUTREF:	SDREF
HD FREQUENCY:	59/23
SYS FORMAT	1080i

1. Supply the same signal to the SD REF IN (thru out) to the oscilloscope.
2. Set VR300 at fully CCW position.
3. Slowly rotate VR300 CW and stop it when the CF flag on the SD REF meet the rising edge of TP200.



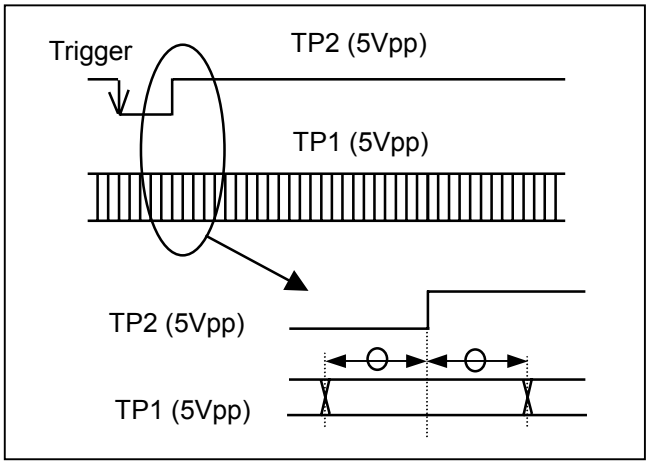
7-7. NTSC CF Phase (2) Adj.

BOARD	SGEN SDI / UDC
TP	TP1, TP2, TP200, HD REF IN Through
ADJ.	VR300 [NTSC_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Rising Edge of TP2=Center of pulse of TP1 (Center ± 5nsec)

<VTR Menu Setting>

SYSTEM FREQUENCY: 59/60
OUTREF: SDREF
HD FREQUENCY: 59/23
SYS FORMAT 1080i

1. Adjust VR300 so that the rising edge of TP2 is at the center of TP1.
2. After completion of step 1, confirm “7-6. NTSC CF Phase Adjustment (1)”.



<Note>

The oscilloscope should be observed in the CHOP mode.

Do not rotate VR300 too much, which may invert the phase of the CF pulse. If this is the case, repeat “7-6. NTSC CF Phase (1) Adj. and 7-7. NTSC CF Phase (2) Adj.”.

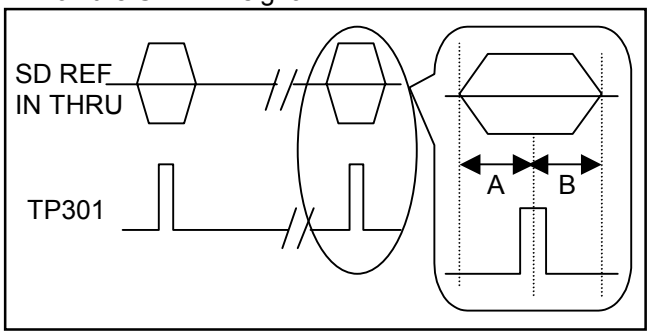
7-8. PAL Bust Sampling Phase Adj.

BOARD	SGEN SDI / UDC
TP	TP301
ADJ.	VR303 [PAL_S/H]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Pulse at TP301=Center of Burst ± 250nsec (A = B ± 250nsec)

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Adjust VR303 so that the position of sampling pulse (TP301) is at the center of the burst signal on the SD REF signal.



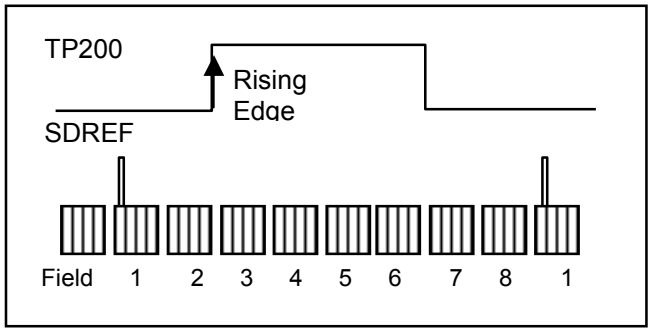
7-9. PAL CF Phase (1) Adj.

BOARD	SGEN SDI / UDC
TP	TP200, SD REF IN Through
ADJ.	VR301 [PAL_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	Rising Edge of TP200 = 3rd Field of SD REF

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Supply the same signal to the SD REF IN (thru out) to the oscilloscope.
2. Set VR301 at fully CCW position.
3. Slowly rotate VR301 CW and stop it when the 3rd field of on the SD REF meets the rising edge of TP200.



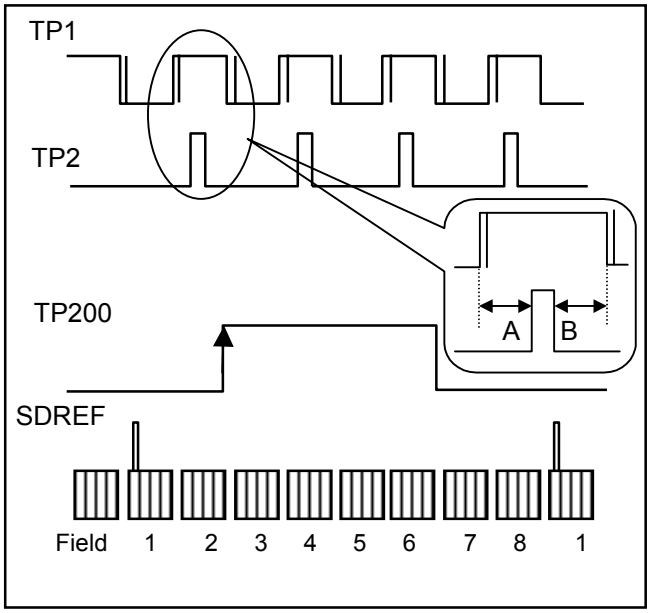
7-10. PAL CF Phase (2) Adj.

BOARD	SGEN SDI / UDC
TP	TP1, TP2, TP200, SD REF IN Through
ADJ.	VR301 [PAL_CF]
TAPE	---
INPUT	SD REF IN = Black Burst (W/CF Flag) INT SG
MODE	EE
M. EQ	Oscilloscope
SPEC.	· A = B ± 2msec. · Rising Edge of TP200 =: 3rd Field of SD REF SD REF

<VTR Menu Setting>

SYSTEM FREQUENCY: 50
OUTREF: SDREF

1. Adjust VR301 so that the rising edge of TP2 is at the center of TP1.
2. Repeat “7-9. PAL CF Phase (1) Adj. and 7-10. PAL CF Phase (2) Adj.”



8. 1394 IF Boards (AJ-YAD120AG)

Preparation

1. In order to perform the electrical adjustment for the optional 1394 IF Board (AJ-YAD120AG), it should be installed in the Digital HD Video Cassette Player AJ-HD1200A.
2. Refer the Operation Instructions for more details of the installation.

8-1. PLL Adj.

BOARD	1394 IF
TP	TP671
ADJ.	VC670
TAPE	---
INPUT	---
MODE	EJECT
M. EQ	Digital Volt Meter
SPEC.	1.5V ± 0.1V

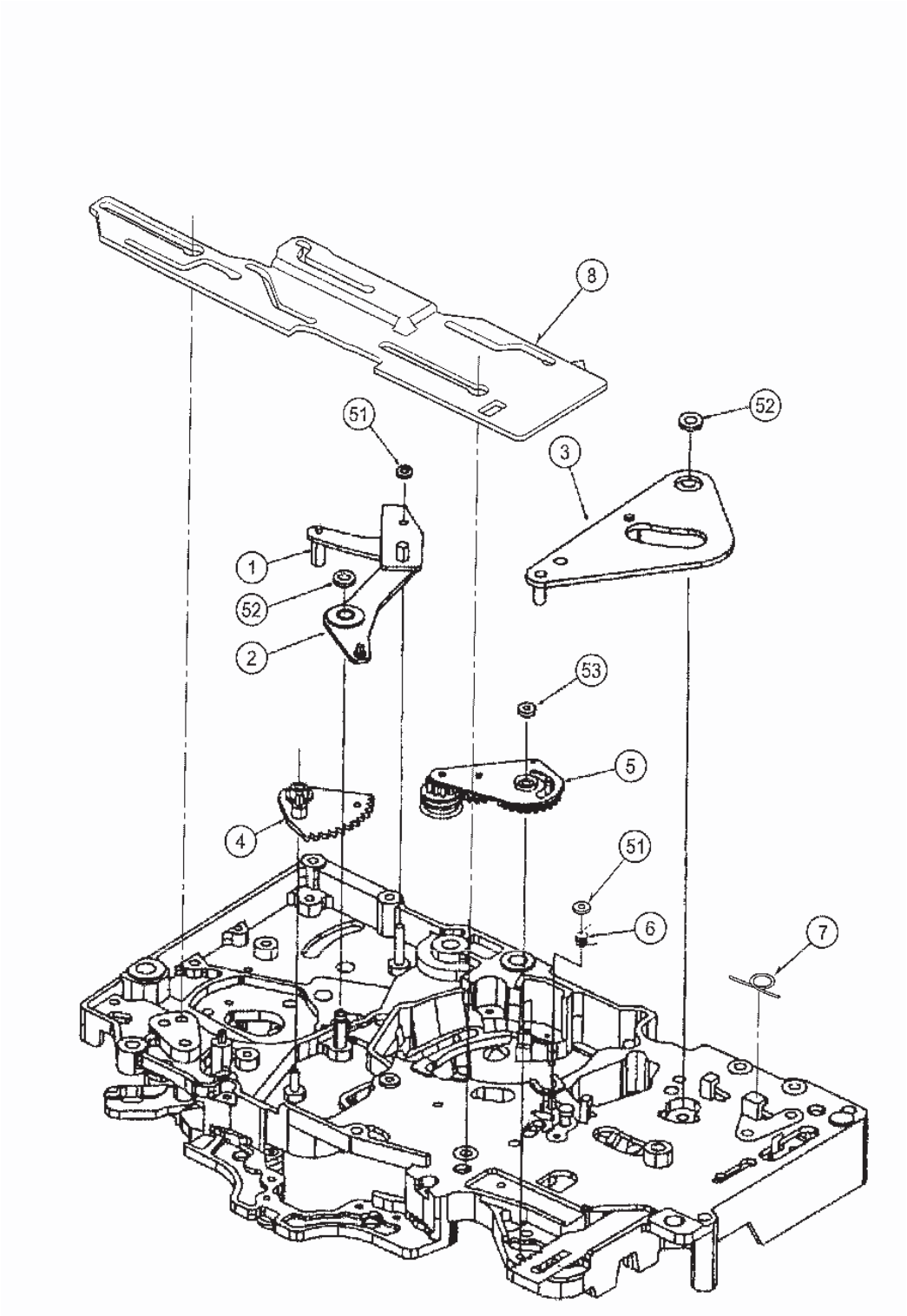
1. Do not connect an IEEE1394 cable to the Board.
2. Adjust VC670 so that the voltage is in the specification.

MECHANICAL CHASSIS ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7038	MOTOR BRACKET	1	
1-1	VEM0726	MOTOR ASS'Y	1	(M)
1-2	VEK7927	DEW SENSOR	1	EYHS77Y7
1-3	VEK8982	FG SENSOR	1	
1-4	VXA6656	CLEANER SOLENOID ASS'Y	1	
1-4A	VSJ0226	CLEANER SOLENOID	1	(M)
1-5	VMM0441	CLEANER ROD	1	
1-6	VMB3454	CLEANER SPRING	1	
1-7	VES0925	MODE SW ASS'Y	1	(M)
1-8	VDG1426	WORM WHEEL	1	
1-9	VXP2029	WORM	1	
2	VED0466	A/C HEAD 1 ASS'Y	1	(M)
3	VMA0F40	HORIZONTAL FIX BASE	1	
4	VXA6658	HIGHT FIX BASE	1	
5	VMS5987	AZIMUTH SLEEVE	1	
6	VMB2937	A/C HEAD ADJUST SPRING	1	
7	VHD0045	NYLON NUT	1	
8	VMA0F93	CABLE GUIDE	1	
9	VMA0E98	SOLENOIDE ANGLE	1	
10	VSJ0227	PINCH SOLENOID	1	(M)
11	VMA0E90	SOLENOID BASE	1	
13	VDG1434	EM GEAR	1	
14	VDG1437	CAM CONNECTION GEAR B	1	
15	VMX2993	EM SLEEVE	1	
16	VMB3440	EM GEAR SPRING	1	
17	VDG1423	CAM CONNECTION GEAR A	1	
18	VXP2037	EMARGENCY CONNECTION GEAR	1	
19	VXA7523	S4 POST BASE ASS'Y	1	(M)
20	VXL3165	S TENSION ARM ASS'Y	1	(M)
21	VDG1438	TENSION LEG GEAR	1	
22	VDG1424	MAIN CAM GEAR	1	(M)
23	VXA6647	S LOAD SECTOR GEAR	1	
24	VDG1422	S CONNECTION GEAR	1	
25	VXA6717	EM ROD ASS'Y	1	
26	VEK8936	LED ASS'Y	1	
27	LMHD16064	SCREW	4	
28	VXA6700	TENSION LEG SECTOR GEAR	1	
29	VXA6644	TENSION SENSOR ASS'Y	1	
30	VXL3164	T5 ARM ASS'Y	1	(M)
30-1	VXL2989	T5 DRIVE LEVER A	1	
30-2	VXL2991	T5 DRIVE LEVER B	1	
30-3	VMB3436	T5 CHARGE SPRING	1	
30-4	VMX2982	T5 ARM SLEEVE	1	
31	VMB3418	T5 THRUST SPRING	2	
32	VMD3910	TENSION BASE	1	
33	VMB3434	A/C HIGHT SPRING	1	
34	VXA6703	PINCH ELEVATOR ASS'Y	1	
35	VXA7886	T LOADING ASS'Y	1	(M)
35-1	VMB3426	T LOADING SPRING	1	
35-2	VDG1428	T LOADING GEAR	1	
36	VXA7885	S LOADING ASS'Y	1	(M)
36-1	VMB3425	S LOADING SPRING	1	
36-2	VDG1427	S LOADING GEAR	1	
37	VXL3008	SOLENOID TURN ARM	1	
38	VML3520	SLENOID CONNECTION ARM	1	
39	VXL3002	PINCH TURN ARM	1	
40	VXL3163	T6 ARM ASS'Y	1	(M)
41	VXL3011	ELEVATOR DRIVE ASS'Y	1	
42	VEG1655	CYLINDER UNIT	1	(M)
42-1	VMD3885	CAP	1	
43	VEM0717	CAPSTAN ASS'Y	1	(M)
44	VXL3028	CLEANING ARM ASS'Y	1	(M)
45	VXQ0439	SCREW	3	
46	VXL3040	PINCH ARM ASS'Y	1	(M)
48	VMD4544	LOADING SECTOR GEAR ASS'Y	1	
49	VMB2948	SPRING	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
71	XQN2+A3	SCREW	2	
72	XQN2+A2	SCREW	3	
73	XQN2+CF3	SCREW	8	
75	XQN2+A5	SCREW	2	
76	VMX0967	CUT WASHER	5	
77	XQN16+A2	SCREW	3	
78	XVE2B12FP	HEX SCREW	1	
79	XVE2B4FZ	HEX SCREW	2	
80	XWA2B	WASHER	2	
81	XWG2A5	WASHER	3	
82	XXE2A6FP	HEX SCREW	2	
83	XYN2+K5	SCREW	2	
84	VMX1599	CUT WASHER	3	
85	XQN2+CF4	SCREW	2	
86	VMX1061	WASHER	5	
87	XYN2+C5	SCREW	4	
88	VMX2027	CUT WASHER	1	
89	XWGV2Y4G	WASHER	1	
90	XUC12FP	E-RING	2	
91	XWGV15Z32G	WASHER	2	
92	XQN2+B3FZ	SCREW	3	
94	VMX0653	CUT WASHER	1	
95	XYN26+C4	SCREW	2	
*	VXY1842Z1	MECHANIZM ASS'Y	1	(M)

MECHANICAL CHASSIS ASSEMBLY (2)

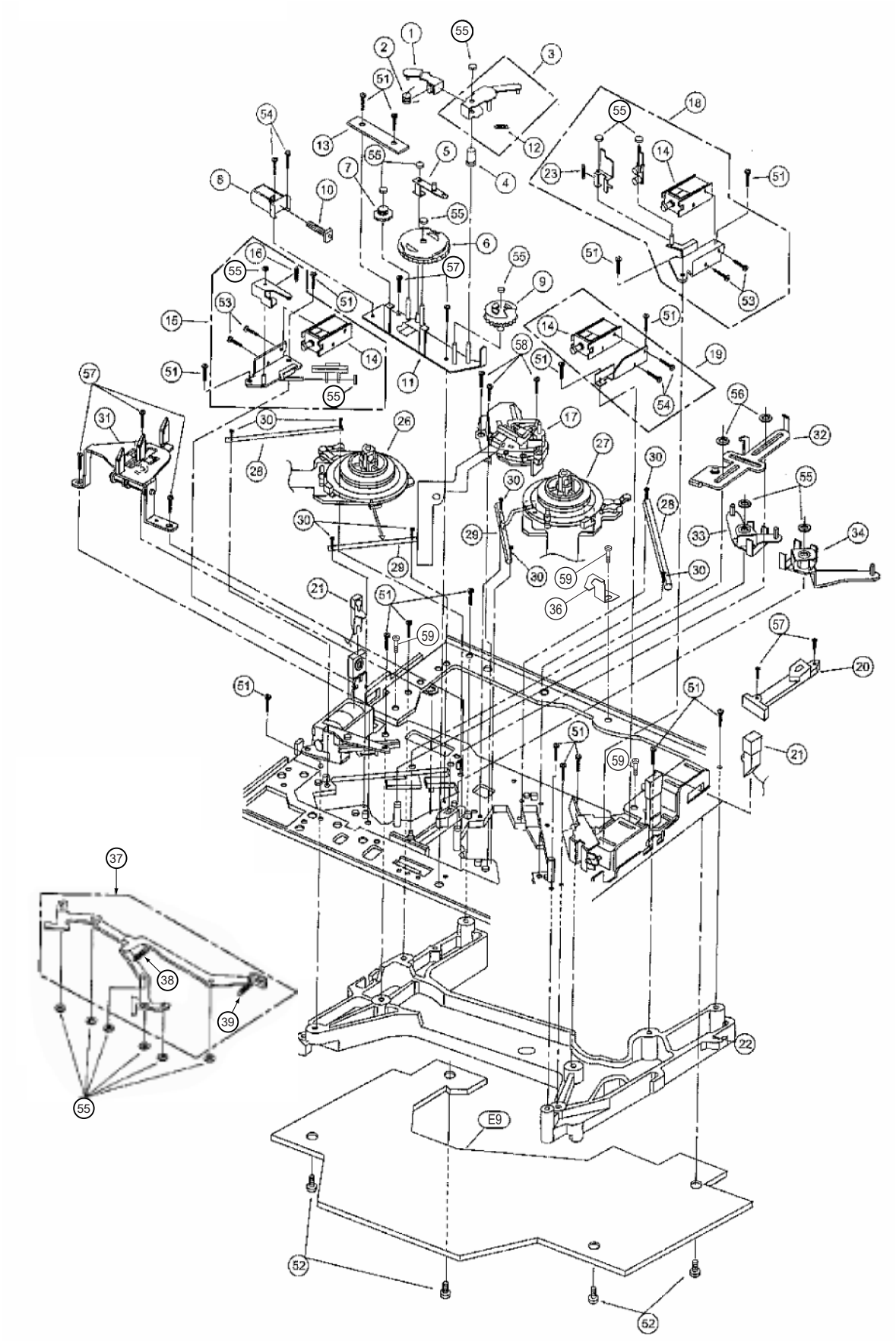


MECHANICAL CHASSIS ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL3007	PINCH DRIVE ARM	1	
2	VXL3010	CONNECTION ARM	1	
3	VXL3043	MAIN CAM ARM	1	
4	VXA6649	T ROD SECTOR GEAR	1	
5	VXL3238	IDLER ARM ASS'Y	1	
6	VMB3445	TENSION LEG SECTOR GEAR	1	
7	VMB3453	EM ROD SPRING	1	
8	VMA0E80	MAIN ROD	1	
51	VMX1061	WASHER	2	
52	VMX0967	CUT WASHER	2	
53	VMX2391	CUT WASHER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

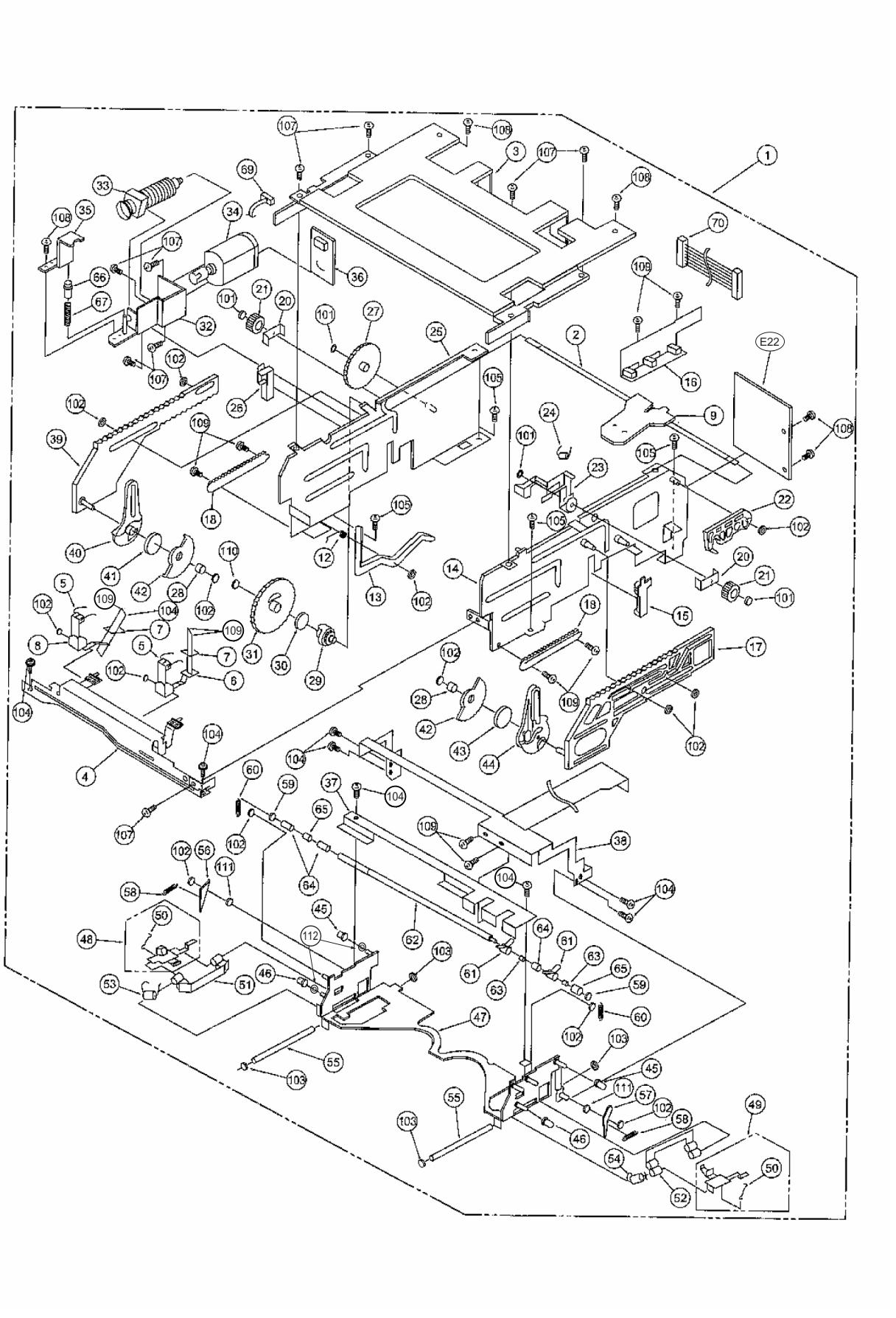
SUB CHASSIS ASSEMBLY



SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656C	MIC DRIVE ARM A ASS'Y	1	
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM B ASS'Y	1	OR VXL2657C
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613C	REEL DRIVE ARM ASS'Y	1	
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585C	REEL DRIVE MOTOR ASS'Y	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698C	REEL DRIVE WORM ASS'Y	1	OR VXP1698C
11	VXA5628	MOTOR BASE ASS'Y	1	OR VXA5628C
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726C	REEL SENSOR P.C.BOARD	1	
14	VSJ0216	SOLENOID	3	(M)
15	VXA5575C	S-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5575C
16	VMB2957	S BRAKE SPRING	1	
17	VXA7921C	DISTINCTION SW ASS'Y	1	(M)
18	VXA6651	T BRAKE SOLENOID ASS'Y	1	
19	VXA5579C	M STOPPER SOLENOID ASS'Y	1	OR VXA5579C
20	VMD3908	SLIDE ROD STOPPER	1	
21	VEK7692C	SENSOR HOLDER ASS'Y	2	
22	VMA0L40	SUB CHASSIS SUPPORT PLATE	1	
23	VMB2987	T BRAKE SPRING	1	
26	VEM0724	S REEL MOTOR ASS'Y	1	(M)
27	VEM0731	T REEL MOTOR ASS'Y	1	(M)
28	VMS5923	REEL OUTER RAIL	2	
29	VMS5924	REEL INNER RAIL	2	
30	VHD0995	SCREW	8	
31	VXA6650	BRAKE RELEASE ASS'Y	1	
32	VXA6652	SLIDE ROD	1	
33	VXL2980	S BASE DRIVE ARM	1	
34	VXL2981	T BASE DRIVE ARM	1	
36	VMC1652	T1 BOAT GUIDE	1	
37	VXL2982	M STOPPER DRIVE ARM ASS'Y	1	
38	VMB2955	M STOPPER SPRING (1)	1	
39	VMB3439	RELESE SPRING	1	
51	XQN2+CF4	SCREW	17	
52	XYN26+F8	SCREW	4	
53	XQN2+A1.5	SCREW	4	
54	XQN2+A2	SCREW	4	
55	VMX0967	CUT WASHER	17	
56	VMX1079	CUT WASHER	2	
57	XQN2+CF3	SCREW	7	
58	XQN2+AF3	SCREW	3	
59	XYN26+C5	SCREW	3	
E9	VEP82250A	MECHA I/F P.C.BOARD	1	

FRONT LOADING ASSEMBLY



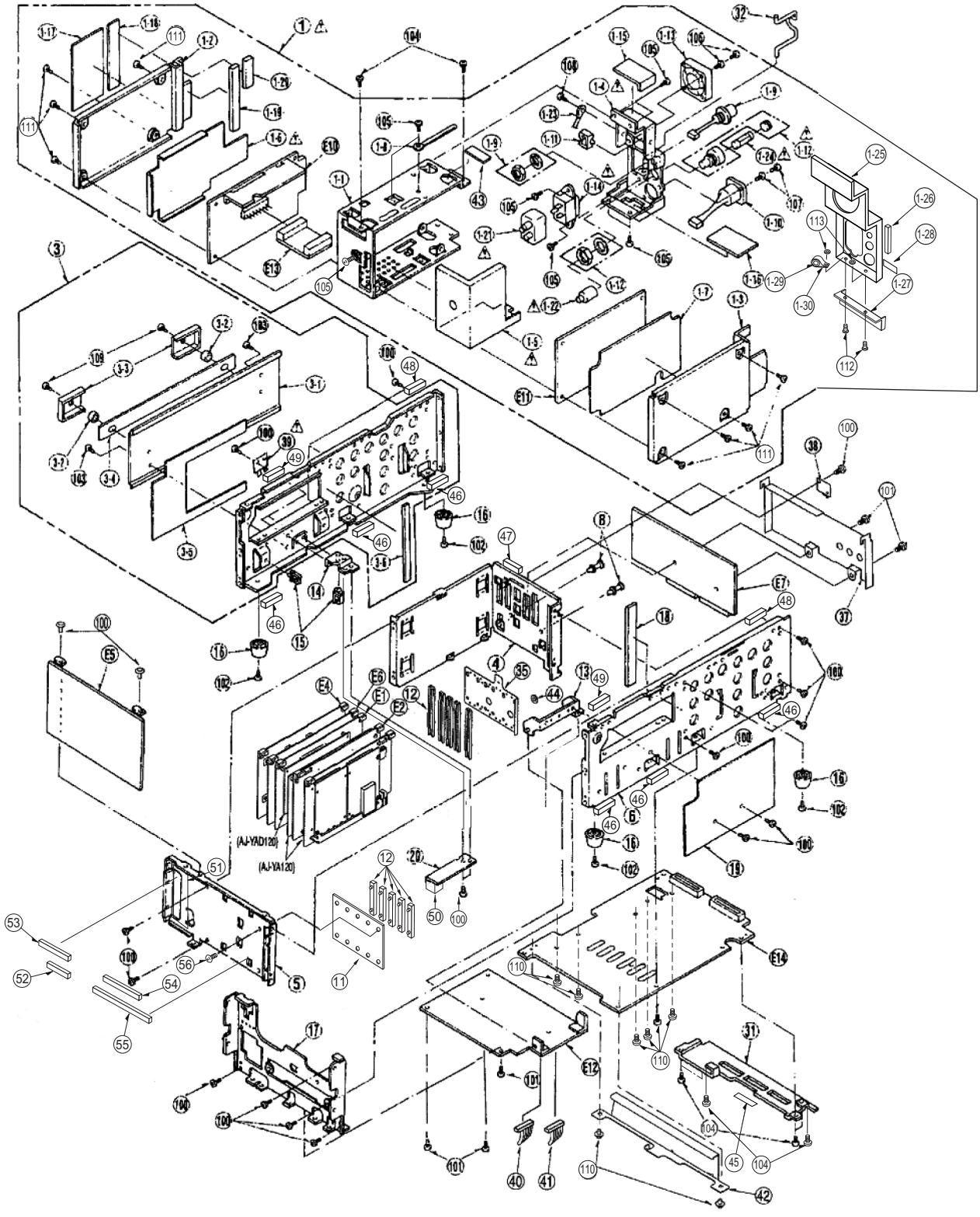
FRONT LOADING ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7920	FRONT LOADING ASS'Y	1	(M)
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VMA0M72	FRONT GUIDE 1 ASS'Y	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3397	CASSETTE PROTECT PLATE	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA7355	SIDE PLATE R 1 ASS'Y	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R ASS'Y	1	
18	VDG1156	WIPER RACK	2	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1412	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE ASS'Y	1	
24	VMB2979	SPRING	1	
25	VXA7353	SIDE PLATE L 1 ASS'Y	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1413	INTERAMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1414	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) ASS'Y	1	
33	VXP1797	E.E SLOT IN WORM ASS'Y	1	
34	VXA5597	MOTOR ASS'Y	1	(M)
35	VMA9673	EMARGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE ASS'Y	1	
39	VXA6075	MAIN RACK (L) ASS'Y	1	
40	VML3485	WIPER ARM (R)	1	
41	VMB3391	WIPER ARM (L)	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3390	WIPER SPRING (L)	1	
44	VML3484	WIPER SPRING (R)	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 ASS'Y	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2833	M-L DETECT ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECT SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	2	
66	VDG1246	EMARGENCY GEAR	1	
67	VMB3109	EMARGENCY SPRING	1	
69	VEE9577	CABLE	1	
70	VEE9632	MOTOR CABLE	1	
101	VMX0653	CUT WASHER	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
102	VMX0967	CUT WASHER	14	
103	VMX1061	WASHER	4	
104	XQN16+A2	SCREW	9	
105	XQN2+CF3	SCREW	4	
107	VHD1323	SCREW	9	
108	XQN2+A3	SCREW	5	
109	LMHD16064	SCREW	11	
110	XUC25FP	E-RING	1	
111	XWGV2Z5G	WASHER	2	
112	XWGV2Z4G	WASHER	2	
E22	VEP80856A	CARRIGE P.C.BOARD	1	

CHASSIS & FRAME ASSEMBLY

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CHASSIS FRAME ASSEMBLY

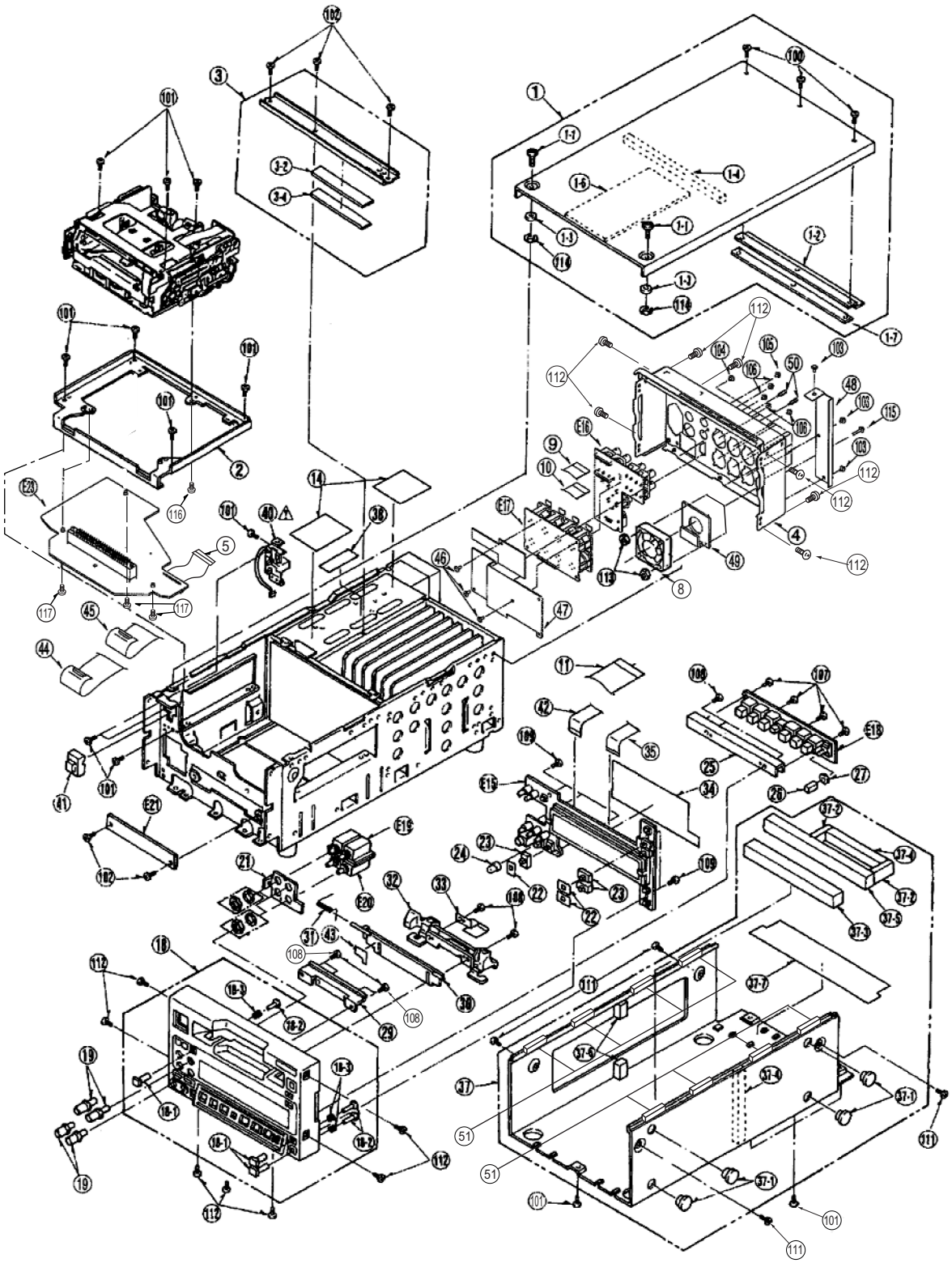
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEK0G83	POWER ASS'Y	1	FOR AJ-HD1200AP
⚠ 1	VEK0G99	POWER ASS'Y	1	FOR AJ-HD1200AE/AMC
1-1	VSC4997	POWER CASE (B)	1	
1-2	VSC4858	POWER CASE (D)	1	
1-3	VSC4996	POWER CASE (C)	1	
⚠ 1-4	VSC4986	POWER CASE (A)	1	
⚠ 1-5	VMZ2879	SHIELD SHEET (B)	1	
⚠ 1-6	VMZ2878	SHIELD SHEET (A)	1	
1-7	VMZ2880	SHIELD SHEET (C)	1	
1-8	VJF0469	CLAMPER	1	
1-9	VEE0E65	DC OUT CABLE	1	
1-10	VJP1885	CONNECTOR (MALE)	1	K1AA104H0020
1-11	VJF0285	WIRE LOCKING SADDLE	1	
⚠ 1-12	K3GA1BJ00014	FUSE HOLDER	1	
1-13	L6FAHBBD0001	FAN MOTOR	1	
⚠ 1-14	VJP0083	AC INLET	1	
1-15	VGF0797	DUST PROOF SHEET (A)	1	
1-16	VGF0798	DUST PROOF SHEET (B)	1	
1-17	VGF0799	DUST PROOF SHEET (C)	1	
1-18	VGF0800	DUST PROOF SHEET (D)	1	
1-19	VMT1015	DUST PROOF CUSHION (B)	1	
1-20	VMT1014	DUST PROOF CUSHION (A)	1	
⚠ 1-21	VMZ1252	AC INLET COVER	1	
⚠ 1-22	VMZ2139	FUSE HOLDER COVER	1	
1-23	VEE0F62	AC GND	1	
⚠ 1-24	VSF0106C25H	FUSE	1	
1-25	VMP6063	POWER ANGLE	1	
1-26	VMT0825	GASKET	1	
1-27	VMP6178	POWER SUPPLY COVER	1	
1-28	VGF0808	ANGLE COVER	1	
1-29	VLP0408	CORE	1	FOR AJ-HD1200AE/MC
1-30	VMD3785	CLAMPER	1	FOR AJ-HD1200AE/MC
3	VYH0271	HANDLE ASS'Y	1	
3-1	VGM1569	HANDLE COVER	1	
3-2	VMX2845	HANDLE SPACER	2	
3-3	VMP5938	HANDLE ANGLE	2	
3-4	VKH0388	HANDLE	1	
3-5	VGF0761	DUST PROOF SHEET (A)	1	
3-6	VMT0999	DUST PROOF CUSHION (L)	1	
4	VMP6735	BACK FRAME	1	
5	VMP6734	CENTER FRAME	1	
6	VMP5878	SIDE FRAME (R)	1	
8	VKC0554	MINI CARD SPACER	2	
11	VMP6767	GUIDE RAIL HOLDER PLATE B	1	
12	VGQ1016	GUIDE RAIL	10	
13	VMP5906	P.C.BOARD HOLDER ANGLE	1	
14	VMP5905	P.C.BOARD ANGLE	1	
15	VJF0004	WIRE SADDLE	2	
16	VKA0117	PLASTIC FOOT	4	
17	VMP6830	FRONT FRAME	1	
18	VMT0965	DUST PROOF CUSHION (A)	1	
19	VGF0762	DUST PROOF SHEET (B)	1	
20	VGF0789	DUST PROOF BARRIER	1	
31	VMP5867	BOTTOM FRAME	1	
32	VML2903	AC CORD HOOK	1	
35	VMP8044	GUIDE RAIL HOLDER PLATE A	1	
37	VSC5182	AV I/O SHIELD PLATE	1	
38	VMP6927	AV I/O HOLDER ANGLE	1	
⚠ 39	VMZ2955	POWER SW BARRIER	1	
40	VEE0N31	CABLE	1	
41	VEE0N30	CABLE	1	
42	VSC5635	SHIELD PLATE	1	
43	VGF0808	COVER SHEET	1	
44	VJF0861	BUSHING	1	
45	VMT0798	GASKET	1	FOR AJ-HD1200AE/MC
46	VMT0825	GASKET	6	FOR AJ-HD1200AE/MC
47	VMT0904	GASKET	1	FOR AJ-HD1201AE/MC
48	VMT1227	GASKET	2	
49	VMT1228	GASKET	3	
50	VMT0977	DUST PROOF CUSHION (G)	1	
51	VGF0783	DUST PROOF SHEET (D)	1	
52	VMT0976	DUST PROOF CUSHION (F)	1	
53	VMT1000	DUST PROOF CUSHION (M)	1	
54	VMT1001	DUST PROOF CUSHION (N)	1	
55	VMT1002	DUST PROOF CUSHION (O)	1	
56	VHN0338	NYLON RIVET	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100	XTV3+6F	SCREW	18	
101	XYE3+EF8FR	SCREW	5	
102	XTV3+10F	SCREW	4	
103	XTV3+6FFZ	SCREW	2	
104	XTV3+6FFR	SCREW	6	
105	XTV3+8F	SCREW	8	
106	XSN3+16FZ	SCREW	2	
107	XSN26+6FC	SCREW	2	
108	XYE4+EF8	SCREW	1	
109	XSS4+14FZ	SCREW	2	
110	XYE3+EF8	SCREW	8	
111	XYN3+F8	SCREW	8	
112	XYN3+J8	SCREW	2	FOR AJ-HD1200AE/MC
113	XNG3BS	NUT	2	FOR AJ-HD1200AE/MC
E1	VEP83624B	REC/PB P.C.BOARD	1	
E2	VEP83625B	V OUT SYSCON P.C.BOARD	1	
E4	VEP85214B	RF/EQ P.C.BOARD	1	
E5	VEP85215A	RF/CUE P.C.BOARD	1	
E6	VEP84393B	A PROC P.C.BOARD	1	
E7	VEP84368B	A I/O P.C.BOARD	1	
E10	VEP81203D	POWER 1 P.C.BOARD	1	FOR AJ-HD1200AP
E10	VEP81203E	POWER 1 P.C.BOARD	1	FOR AJ-HD1200AE/MC
E11	VEP81219B	POWER 2 P.C.BOARD	1	
E12	VEP81232B	POWER 3 P.C.BOARD	1	
E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	
E14	VEP80C73B	MOTHER P.C.BOARD	1	

CASING ASSEMBLY

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CASING ASSEMBLY

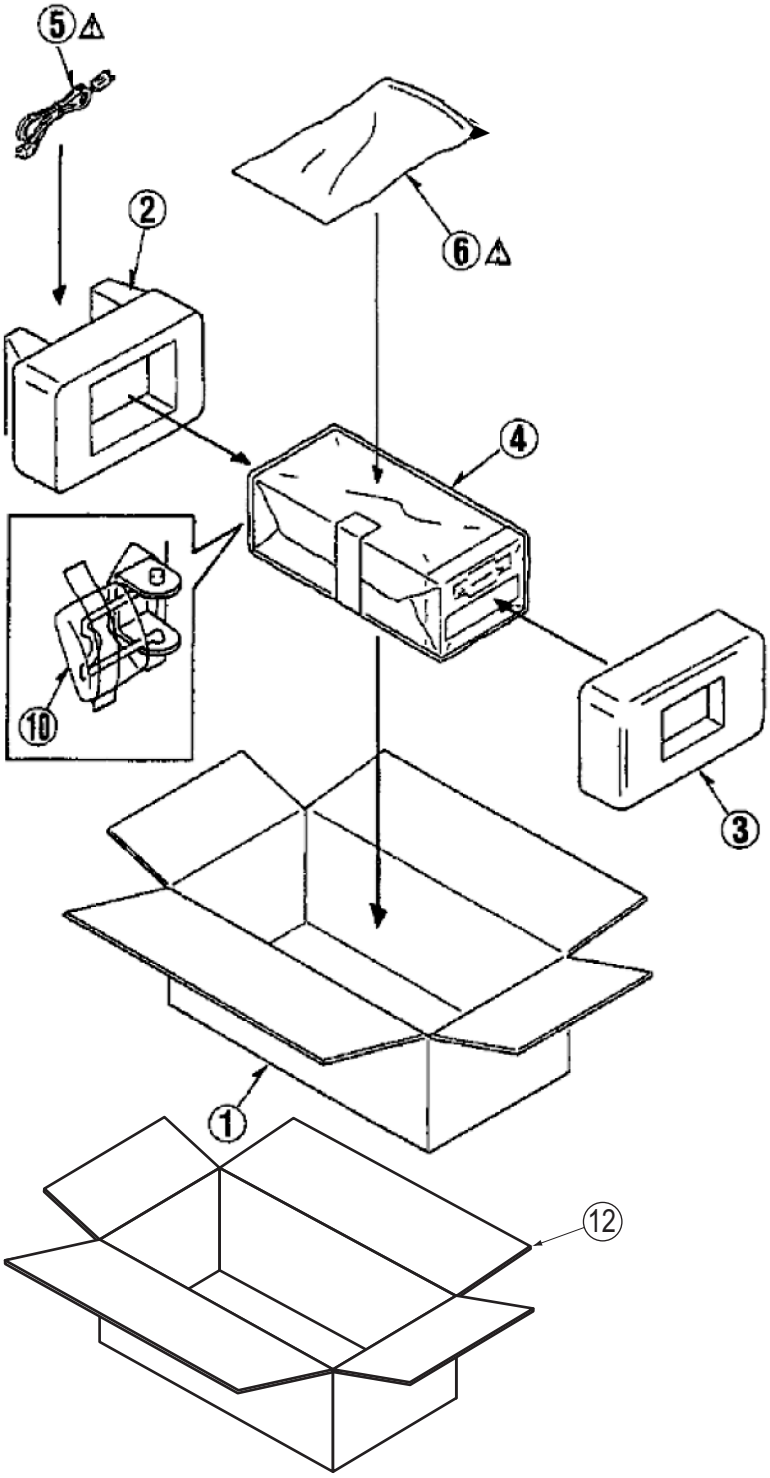
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYM0206	TOP PLATE ASS'Y	1	
1-1	VHD0274	SCREW	2	
1-2	VMP5903	TOP PANEL ANGLE	1	
1-3	VMX2510	SPACER	2	
1-4	VMT0967	DUST PROOF CUSHION (C)	1	
1-6	VMZ2325	TOP PANEL BARRIER	1	
1-7	VMX2930	SCREW GUIDE SPACER	1	
2	VXA7800	CHASSIS ANGLE ASS'Y	1	
3	VXA6923	P.C.B. ANGLE A ASS'Y	1	
3-2	VMX3068	P.C.B. HOLDER RUBBER (A)	1	
3-4	VMX3069	P.C.B. HOLDER RUBBER (B)	1	
4	VJH1244	JACK PLATE	1	
5	VEE0Z29	8P CABLE	1	
8	L6FAHBBD0001	FAN MOTOR	1	
9	VWJ1712	AV REMOTE FFC	1	
10	VWJ1711	REAR JACK FFC	1	
11	VWJ1463	28P FFC	1	
14	VMZ2909	SHEET (B)	2	
18	VYP9004	FRONT PANEL (1) ASS'Y	1	
18-1	VGU3894	BUSH BUTTON	3	
18-2	VMB2597	KEY BUTTON COIL SPRING	3	
18-3	VGQ3176	PUSH BUTTON	3	
19	VXU1160	REC VR KNOB	4	
21	VMP5873	VR HOLDER ANGLE	1	
22	VGF0687	SLIDE SW SHEET	3	
23	VGU5582	SWITCH KNOB	3	
24	VGU5605	KNOB	1	
25	VMP5908	P.C.BOARD HOLDER ANGLE	1	
26	VGU8134	TOGGLE SW KNOB	1	K0YA00000037
27	VGK2475	TOGGLE SW SHEET	1	
29	VMP5909	TOP PANEL ANGLE	1	
30	VKF3191	BLIND PANEL	1	FOR AJ-HD1200AP/E
30	VKF3434	BLIND PANEL	1	FOR AJ-HD1200AMC
31	VMB3334	BLIND SPRING	1	
32	VYQ2807	CASSETTE GUIDE ASS'Y	1	
33	VGF0706	FLEXIBLE CABLE BARRIER	1	
34	VMZ2905	FRONT P.C.BOARD BARRIER	1	
35	VWJ24AW210M0	FRONT (1) FFC	1	
37	VYF2998	BOTTOM PLATE ASS'Y	1	
37-1	VMG1197	FOOT	4	
37-2	VMT0976	DUST PROOF CUHION (F)	2	
37-3	VMT1003	DUST PROOF CUHION (P)	1	
37-4	VMT0965	DUST PROOF CUHION (B)	2	
37-5	VMT0967	DUST PROOF CUHION (C)	1	
37-6	VMT0968	DUST PROOF CUHION (D)	2	
37-7	VGF0834	DUST PROOF SHEET	1	
38	VGF0763	DUST PROOF SHEET (C)	1	
⚠ 40	VES0899	POWER SW ASS'Y	1	
41	VGU8051	POWER BUTTON	1	
42	VWJ1276	KEY FFC	1	
43	VGF0836	BLIND SHEET	1	
44	VWJ40E5090L0	FLEXIBLE CABLE	1	
45	VWJ40E5070L0	FLEXIBLE CABLE	1	
46	VJF0108	SPACER	3	
47	VMZ3436	SHIELD SHEET	1	
48	VMP7957	BLANK PANEL	1	
49	VSC5619	FAN SHIELD	1	
50	VXQ0102	SCREW	2	K1YE50000008
51	VMT0877	GASKET	8	
100	XQN26+A25FC	SCREW	3	
101	XTV3+6F	SCREW	15	
102	XTV3+6FFR	SCREW	5	
103	XTV3+6FFZ	SCREW	3	
104	XSN26+6FZ	SCREW	8	
105	XYE4+EF8	SCREW	1	
106	XTN3+10JFZ	SCREW	5	
107	XTN3+F6RS	SCREW	4	
108	XTV3+8G	SCREW	8	
109	XYE3+EJ10FR	SCREW	5	
111	XSB4+4FCW	SCREW	4	
112	XTV3+8FFZ	SCREW	14	
113	XNG3B	NUT	2	
114	VMX2582	WASHER	2	
115	XYN3+K20FZ	SCREW	2	
116	XYE3+EF6	SCREW	1	
117	XYN26+F5	SCREW	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E15	VEP86343A	FRONT P.C.BOARD	1	
E16	VEP83626A	V JACK P.C.BOARD	1	
E17	VEP84394B	A JACK P.C.BOARD	1	
E18	VEP86344A	KEY P.C.BOARD	1	
E19	VEP86346A	REC VR P.C.BOARD	1	
E20	VEP86347A	PB VR P.C.BOARD	1	
E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	
E23	VEP82249B	SERVO P.C.BOARD	1	

PACKING PARTS ASSEMBLY

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PACKING PARTS ASSEMBLY

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VPG9169	PACKING CASE	1	
2	VPN5024	CUSHION (R)	1	
3	VPN5023	CUSHION (L)	1	
4	VPF0876	POLYETHYLENE BAG	1	
⚠ 5	K2CG3CH00001	POWER CORD	1	FOR AJ-HD1200AP
⚠ 5	VJA0774	POWER CODE	1	FOR AJ-HD1200AE
⚠ 5	VJA0775	POWER CODE	1	FOR AJ-HD1200AE
⚠ 5	K2CK3DH00015	POWER CORD	1	FOR AJ-HD1200AMC
⚠ 6	VQT0L36	OPERATING INSTRUCTIONS	1	FOR AJ-HD1200AP
⚠ 6	VQT0L37	OPERATING INSTRUCTIONS	1	FOR AJ-HD1200AE
⚠ 6	VQT0L38	OPERATING INSTRUCTIONS	1	FOR AJ-HD1200AMC
10	VPF0892	POLYETHYLENE BAG (2)	1	
12	VPG0Z66	PACKING CASE	1	FOR AJ-HD1200AMC

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

ELECTRICAL REPLACEMENT PARTS LIST

For AJ-HD1200AP

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
■ E10	VEP81203D	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203D
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
C1,C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3,C4	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C5,C6	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C7,C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C9,10	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C14-17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	4	
C18-26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C27-31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C50-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	24	
C100-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	15	
C150-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C166,67	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	2	
C168,69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C170	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C171	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C174	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C175-84	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C200	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C201	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C202	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C203-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C250,51	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C252	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C255	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C256	ECUX1C184KBN	C.CAPACITOR CH 16V 0.18U	1	
C257-69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C290	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C300,01	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C302-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C370-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C374	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C375,76	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C377	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C378	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C379	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C380-92	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C452	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C457-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C500-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C511	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C551	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C552-57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C558	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C559	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C561-81	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	21	
C650,51	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C652	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C653	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C654-58	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C659	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C660,61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C662,63	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C664,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C670	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D150,51	MA3J14300L	DIODE	2	
D650	LN1271RAL	DIODE	1	
FL500,01	EZAST33AAAJ	FILTER	2	
IC1,C2	C0CBABD00005	IC	2	
IC3	DS90CR217MTD	IC	1	C0ZBZ0000466

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4	DS90CR218MTD	IC	1	C0ZBZ0000468
IC5	C0CBAAD00023	IC	1	
IC50,51	C3HBKG000002	IC	2	
IC52	C3HBKZ000001	IC	1	
IC53	C1ZBZ0002371	IC	1	
IC100	C1AB00001751	IC	1	
IC101,02	C3HBKZ000001	IC	2	
IC150	MB87J1460	IC	1	C1AB00001232
IC151,52	C3ABQG000045	IC	2	
IC153	C0JBAZ000279	IC	1	
IC154	C0CBBDB00004	IC	1	
IC155	C0CBADD00003	IC	1	
IC156	C0ABEB000017	IC	1	
IC157,58	C0JBAZ001958	IC	2	
IC200	L7A1644	IC	1	C1AA00000231
IC201,02	MN47V07AF	IC	2	
IC250,51	MN673797A	IC	2	
IC252	BH7086KV	IC	1	C1ZBZ0001649
IC253	C0JBAB000422	IC	1	
IC254	C0JBAB000350	IC	1	
IC300	C1ZBZ0002371	IC	1	
IC370	C0CBABD00005	IC	1	
IC371	C3ABRG000011	IC	1	
IC372	H1ZYYYYB0004	IC	1	
IC373	C1AB00001590	IC	1	
IC450	C1ZBZ0002212	IC	1	
IC500	C1AB00001589	IC	1	
IC550	C0CBABD00005	IC	1	
IC551	C1ZBZ0002212	IC	1	
IC552	DS90LV047AC	IC	1	
IC553,54	DS90LV048AC	IC	2	
IC555	XC62FP3202P	IC	1	
IC556	C0CBABD00005	IC	1	
IC557	C0JBAZ002080	IC	1	
IC558-60	DS90LV048AC	IC	3	
IC561	DS90LV047AC	IC	1	
IC562	C0JBAZ001958	IC	1	
IC652	C2DBML000004	IC	1	
IC660	C3FBLD000046	IC	1	
ID0	VVVSI4279B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4284D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4285B	SOFTWARE	1	DOWNLOAD ONLY
ID3	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L6	VLP0183	COIL	6	J0JKC0000007
L250	VLQ0319K150	COIL 15UH	1	G1C150KA0002
L650,51	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	
P300	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
P650	K1KA10A00303	CONNECTOR (MALE)	1	
P651	VJS3791B020	CONNECTOR (FEMALE)	1	
QR650	UNR521300L	TRANSISTOR	1	
R1-R4	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R5,R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8	EXBV8V102J	COMBI.R-R 1K	1	
R14	EXBV8V101J	COMBI.R-R 100	1	
R50-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R54-61	D1H833040002	COMBI.R-R 33	8	
R62,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66	D1H833040002	COMBI.R-R 33	1	
R67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R68,69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R71-73	D1H833040002	COMBI.R-R 33	3	
R76	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R77-82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	6	
R84-86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R87-89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R90-93	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R104-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R110-15	D1H833040002	COMBI.R-R 33	6	
R116,17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R150	D1H833040002	COMBI.R-R 33	1	
R151-55	EXBV8V102J	COMBI.R-R 1K	5	
R156,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R158,59	D1H833040002	COMBI.R-R 33	2	
R160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R161	D1H833040002	COMBI.R-R 33	1	
R162,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R164,65	EXBV8V101J	COMBI.R-R 100	2	
R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R167	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R168	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R169	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R170-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R173	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R174	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R175,76	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R177	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R178,79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R180	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R181	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R182	VLP0173	COIL	1	J0JGC0000015
R183-86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R200	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R201	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R204	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R205	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R206	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R207,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R209,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R211	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R215	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R250,51	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R252-55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R256	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R258	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R259	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R260	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R261	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R262	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R263	D1H833040002	COMBI.R-R 33	1	
R264	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R265	D1H833040002	COMBI.R-R 33	1	
R267	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R268	D1H833040002	COMBI.R-R 33	1	
R269,70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R271,72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R273,74	D1H833040002	COMBI.R-R 33	2	
R275,76	EXBV8V101J	COMBI.R-R 100	2	
R277-81	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R282,83	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R284	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R285	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R286,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R288,89	D1H833040002	COMBI.R-R 33	2	
R290,91	EXBV8V101J	COMBI.R-R 100	2	
R292	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R293-96	EXBV8V102J	COMBI.R-R 1K	4	
R300	EXBV8V101J	COMBI.R-R 100	1	
R301,02	D1H833040002	COMBI.R-R 33	2	
R303	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R304,05	D1H833040002	COMBI.R-R 33	2	
R306	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R307	EXBV8V101J	COMBI.R-R 100	1	
R308,09	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R310,11	D1H833040002	COMBI.R-R 33	2	
R328-32	D1H833040002	COMBI.R-R 33	5	
R333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R334-37	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R338-41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R354-57	D1H833040002	COMBI.R-R 33	4	
R358	EXBV8V102J	COMBI.R-R 1K	1	
R359-62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R363-65	D1H833040002	COMBI.R-R 33	3	
R366-69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R370	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R372	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R373-75	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R376	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R377,78	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R381	EXBV8V473J	COMBI.R-R 47K	1	
R382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R383	EXBV8V101J	COMBI.R-R 100	1	
R384	EXBV8V473J	COMBI.R-R 47K	1	
R385	EXBV8V102J	COMBI.R-R 1K	1	
R386	EXBV8V473J	COMBI.R-R 47K	1	
R387	EXBV8V102J	COMBI.R-R 1K	1	
R388	EXBV8V473J	COMBI.R-R 47K	1	
R389	EXBV8V102J	COMBI.R-R 1K	1	
R390	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R391,92	D1H833040002	COMBI.R-R 33	2	
R393	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R394	EXBV8V101J	COMBI.R-R 100	1	
R396-00	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R401-04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R405	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R406	EXBV8V102J	COMBI.R-R 1K	1	
R407-11	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R412-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R416-21	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	6	
R422-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R426	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R428,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R452	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R554	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R555,56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R562,63	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R566	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R567	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R569	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R571	VLP0173	COIL	1	J0JGC0000015
R575	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R577-79	D1H833040002	COMBI.R-R 33	3	
R580-89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
R590,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R592-01	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	10	
R603,04	D1H833040002	COMBI.R-R 33	2	
R608	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R611	VLP0173	COIL	1	J0JGC0000015
R612	EXBV8V102J	COMBI.R-R 1K	1	
R613,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R615,16	D1H833040002	COMBI.R-R 33	2	
R617	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R619	D1H833040002	COMBI.R-R 33	1	
R620,21	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R622,23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R624	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R625	D1H833040002	COMBI.R-R 33	1	
R626	EXBV8V102J	COMBI.R-R 1K	1	
R627	D1H833040002	COMBI.R-R 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R628-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R631	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R634,35	D1H833040002	COMBI.R-R 33	2	
R636,37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R640	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R652	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R653	D1H833040002	COMBI.R-R 33	1	
R654	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R655	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R656	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R657	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R658	D1H833040002	COMBI.R-R 33	1	
R659	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R660,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R662	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R663	D1H833040002	COMBI.R-R 33	1	
R664	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R665	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R666	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R667	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R668	D1H833040002	COMBI.R-R 33	1	
R670	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R671	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R672,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R674	EXBV8V102J	COMBI.R-R 1K	1	
R676	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R678,79	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R680	EXBV8V473J	COMBI.R-R 47K	1	
R681,82	D1H833040002	COMBI.R-R 33	2	
R684	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
TG1-G7	EYF6CU	TEST POINT	7	
TP50,51	EYF6CU	TEST POINT	2	
TP250,51	EYF6CU	TEST POINT	2	
TP302	EYF6CU	TEST POINT	1	
TP304	EYF6CU	TEST POINT	1	
TP370,71	EYF6CU	TEST POINT	2	
TP378	EYF6CU	TEST POINT	1	
TP381	EYF6CU	TEST POINT	1	
TP450	EYF6CU	TEST POINT	1	
TP507,08	EYF6CU	TEST POINT	2	
X150	VSX0907	CRYSTAL OSCILLATOR	1	H4G1805A0003
X550	H1A3715B0001	CRYSTAL OSCILLATOR	1	
X551	H1A3705B0001	CRYSTAL OSCILLATOR	1	
X650	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
C1-C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C6-13	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	8	
C30,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C32	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C34	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C35-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C54	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C55,56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C57	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C150,51	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C152-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C155,56	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C157-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C230-47	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	18	
C300-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C304,05	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C306-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C309	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C310	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C311-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C320-22	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	3	
C327	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C329	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C331	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C332-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C341-43	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	3	
C344-46	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C347-51	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C352-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C355	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C356	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C357	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C358	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C359	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C360	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C361	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C362	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C363	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C364,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C430,31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C432,33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C434	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C435-39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C440	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C441	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C442	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C443	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C444	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C445	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C446	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C447	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C449	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C450-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C454	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C455	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C500,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C502,03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C504	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C506,07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C509,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C512	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C513,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C518	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C519	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C520,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C522,23	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C524-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C535	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C600-02	VCK0152	C.CAPACITOR CH 16V 10U	3	F1L1C1060016
C603-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C607	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C608-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C615	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C616	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C617-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C621	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C622	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025
C623	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C625	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C626	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C627	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C628	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C629	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C630-33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C634	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C635	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D430	MA142K	DIODE	1	
D500-03	MA3J14300L	DIODE	4	
D505-07	MA3J14300L	DIODE	3	
D508	LN1271RAL	DIODE	1	
D509	MA3J14300L	DIODE	1	
D600-05	MA3J14300L	DIODE	6	
FL300-02	J0E3005B0002	FILTER	3	
FL430	VLF1354	FILTER	1	
IC30	C1ZBZ0002319	IC	1	
IC31	IDTLVC16245F	IC	1	
IC33	IDTLVC16245F	IC	1	
IC36	C0JBAZ001880	IC	1	
IC37	C0CBABD00005	IC	1	
IC38	DS90CR218MTD	IC	1	C0ZBZ0000468
IC39	DS90LV048AC	IC	1	
IC40,41	C3ABQG000045	IC	2	
IC42	C0JBAZ001880	IC	1	
IC45	C3ABQG000045	IC	1	
IC150	C1ZBZ0002432	IC	1	
IC154	DS90CR217MTD	IC	1	C0ZBZ0000466
IC230	C1ZBZ0002432	IC	1	
IC232,33	C3ABRG000011	IC	2	
IC236	C1AB00001228	IC	1	
IC300,01	C0CBAAD00023	IC	2	
IC302	C1AB00001858	IC	1	
IC303-05	AD8055AR	IC	3	C0ABGB000013
IC306	LT1129CS8	IC	1	
IC307	LT1175CS8	IC	1	
IC308,09	TC7W53FU	IC	2	
IC310	ADV7128KR80	IC	1	
IC311	AD589JR	IC	1	
IC312	LT1129CS8	IC	1	
IC313	AD8184AR	IC	1	
IC430	C0JBAA000175	IC	1	
IC431	ADV7128KR80	IC	1	
IC432	AD589JR	IC	1	
IC433	AD8055AR	IC	1	C0ABGB000013
IC434	NJM2534V	IC	1	
IC500	C2DBML000004	IC	1	
IC501	C0EBE0000213	IC	1	
IC502	C0JBAA000174	IC	1	
IC503	C0JBAZ000851	IC	1	
IC504	C0JBAB000350	IC	1	
IC600	C3FBMD000050	IC	1	
IC601	TA75W558FU	IC	1	C0ABBA000042
IC602	C0JBAZ001713	IC	1	
IC604,05	TC7WH125FU	IC	2	
IC606	C0BBBB000006	IC	1	
IC610	C0CBADD00003	IC	1	
IC611	C1AB00000936	IC	1	
IC613	TC7WH125FU	IC	1	
IC614	C0JBAZ001121	IC	1	
IC617	TC7WH125FU	IC	1	
IC619	C0JBAZ001121	IC	1	
IC621	NJM2068MD	IC	1	C0ABBB000031
IC623	C0CBADD00003	IC	1	
IC628	SN75C1168NS	IC	1	
IC629	XC62DN5002M	IC	1	
ID0	VVVSI4280B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4286D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L5	VLP0183	COIL	5	J0JKC0000007

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L311-14	VLQ0319K1R0	COIL 1.0UH	4	
L430	VLQ0163J180	COIL 18UH	1	G1C180J00001
L431	VLQ0163J120	COIL 12UH	1	G1C120J00001
L500,01	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P150	VJS4064N160E	CONNECTOR (FEMALE)	1	K1KAG0A00006
P500	K1KA10A00303	CONNECTOR (MALE)	1	
P501	VJS3791B020	CONNECTOR (FEMALE)	1	
Q300-02	2SA1532-B	TRANSISTOR	3	
Q303-05	2SD601A-R	TRANSISTOR	3	
Q306-08	XN4501	TRANSISTOR-RESISTOR	3	
Q430	2SA1532-B	TRANSISTOR	1	
Q431	2SD601A-R	TRANSISTOR	1	
Q432	XN4501	TRANSISTOR-RESISTOR	1	
Q433-36	2SA1532-B	TRANSISTOR	4	
Q437	2SD601A-R	TRANSISTOR	1	
QR500-03	UNR521300L	TRANSISTOR	4	
R1	EXBV8V102J	COMBI.R-R 1K	1	
R30-35	D1H833040002	COMBI.R-R 33	6	
R36-46	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	11	
R47,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R49,50	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R52-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R57	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R59,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R62,63	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R64	D1H833040002	COMBI.R-R 33	1	
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66,67	D1H833040002	COMBI.R-R 33	2	
R68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R69-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R73-76	D1H833040002	COMBI.R-R 33	4	
R77	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R78,79	D1H833040002	COMBI.R-R 33	2	
R80,81	EXBV8V102J	COMBI.R-R 1K	2	
R82	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R83,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R85,86	D1H833040002	COMBI.R-R 33	2	
R87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R90-93	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R94	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R95,96	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R99	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R101,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R103,04	D1H833040002	COMBI.R-R 33	2	
R106-09	D1H833040002	COMBI.R-R 33	4	
R110	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R120	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R150-52	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R153	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R154-56	D1H833040002	COMBI.R-R 33	3	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159-63	D1H833040002	COMBI.R-R 33	5	
R164	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R165-69	D1H833040002	COMBI.R-R 33	5	
R170	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R177-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R185,86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R187	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R188	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R190-92	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R193	D1H833040002	COMBI.R-R 33	1	
R230-32	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R233	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R234,35	D1H833040002	COMBI.R-R 33	2	
R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R237,38	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R239,40	D1H833040002	COMBI.R-R 33	2	
R241,42	EXBV8V102J	COMBI.R-R 1K	2	
R243-47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R248,49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R251	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R252	D1H833040002	COMBI.R-R 33	1	
R253-57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R258	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R301-04	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R306,07	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R310,11	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R312	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R313,14	ERJ3RED100	M.RESISTOR CH 1/16W 10	2	
R315-17	ERJ3RBD301	M.RESISTOR CH 1/16W 300	3	
R321-23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R324-26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R327	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R328,29	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R330	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R332	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R333	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R334	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R335-38	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R339-41	ERJ3RBD241	M.RESISTOR CH 1/16W 240	3	
R342-44	ERJ3RED910	M.RESISTOR CH 1/16W 91	3	
R345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R347	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R349	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R351	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R352	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R353	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R354	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R355	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R356	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R357	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R358	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R359	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R360-62	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	3	
R375-77	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R378,79	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R380	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R383	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R384	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R385	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R387	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R430,31	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R432	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R433	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R435	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R436,37	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R438	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R439	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R440	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R441	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R442	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R444	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R445	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R446	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R447	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R448	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R449	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R450	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R451	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R454	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R460	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R461	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R462,63	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R464	ERJ3RED300	M.RESISTOR CH 1/16W 30	1	
R465	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R466	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R469	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R470	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	D0GZ103J0001	M.RESISTOR CH 10K	1	
R501	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R502	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R503	D1H833040002	COMBI.R-R 33	1	
R504	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R505	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R506-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R513	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R515	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R516	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R518	D1H833040002	COMBI.R-R 33	1	
R519-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R524	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R525	D0GZ103J0001	M.RESISTOR CH 10K	1	
R526	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R528	D1H833040002	COMBI.R-R 33	1	
R529	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R530,31	D1H833040002	COMBI.R-R 33	2	
R532	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R533	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R534,35	D1H833040002	COMBI.R-R 33	2	
R537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R538	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R539	D1H833040002	COMBI.R-R 33	1	
R543-47	D1H833040002	COMBI.R-R 33	5	
R548,49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R550	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R551	EXBV8V102J	COMBI.R-R 1K	1	
R552	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R553-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R559,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R561	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R562	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R563	EXBV8V473J	COMBI.R-R 47K	1	
R564	D1H833040002	COMBI.R-R 33	1	
R565	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R566	D1H833040002	COMBI.R-R 33	1	
R567	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R568	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R569	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R571,72	D0GZ103J0001	M.RESISTOR CH 10K	2	
R573	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R600	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R601	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R602	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R603	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R604	EXBV8V473J	COMBI.R-R 47K	1	
R605	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R606	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R607	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609,10	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R611	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R612,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R614	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R615	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R616	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R617	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R618,19	EXBV8V473J	COMBI.R-R 47K	2	
R621	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R622	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R623	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R625	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R626	D1H833040002	COMBI.R-R 33	1	
R627	EXBV8V473J	COMBI.R-R 47K	1	
R628	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R629,30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R632	D1H833040002	COMBI.R-R 33	1	
R633	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R634	EXBV8V473J	COMBI.R-R 47K	1	
R635,36	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R637	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R638	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R639	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R640	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R642	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R643	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R644	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R645	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R646	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R647	D1H833040002	COMBI.R-R 33	1	
R648	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R649	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R652	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R653	EXBV8V473J	COMBI.R-R 47K	1	
R654	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R655	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R656-59	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R660-62	D1H833040002	COMBI.R-R 33	3	
R663,64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
RY1	VSY2176	RELAY	1	K6B2CDA00045
SW1	VSS0367-02B	SWITCH	1	
TG1	EYF6CU	TEST POINT	1	
VR300-07	EVM7JGA00B13	V.RESISTOR 1K	8	
VR430,31	EVM7JGA00B13	V.RESISTOR 1K	2	
X500	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
C1-C4	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C7	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C8-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C101,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C103-06	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C108	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C110-22	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	13	
C123-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C201,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C205-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C211,12	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C213,14	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C311	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C312,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C315-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C319	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C320	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C321	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C324	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C325	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C326-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C351,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C353	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C354	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C355	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C356	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C359	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C361-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C401-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C412,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C415-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C419	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C420	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C423	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C424	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C425	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C426-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C451,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C453	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C454	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C455	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C456	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C459	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C501-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C511	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C512,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C519	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C520	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C523	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C524	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C525	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C527-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C551-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C561	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C562,63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C565-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C569	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C570	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C571	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C572	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C573	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C574	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C575	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C577-80	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C601-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C611	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C612,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C615-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C619	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C620	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C621	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C622	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C623	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C625	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C627-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C701	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C703-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C708-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C711	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C731	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C732	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C733-36	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C738-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C741	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C761	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C762	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C763-66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C768-70	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C771	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C801	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C802	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C803-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C806	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C807-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C819	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C820-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C826	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C827-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C834,35	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C836	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C837,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C902	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C903-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C906	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C907-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C919	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C920-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C926	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C928	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C930,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C935	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C937,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C939,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C941,42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1001	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1003-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1006	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1007-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1019	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1020-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1026	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1028	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1030,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1035	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1037,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1102	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1103-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1106	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1107-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1119	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1120-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1126	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1128	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1130,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1137,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1139,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1201	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1203-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1206	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1207-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1219	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1220-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1226	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1228	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1230,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1235	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1237,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1239,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C1311-13	F1L1A2260013	C.CAPACITOR CH 10V 22U	3	
C1314	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C1315	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1317-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1321	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1323,24	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C1325	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1327-29	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1330	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C1331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D1	MA3J14300L	DIODE	1	
D301	MA3S132E0L	DIODE	1	
D401	MA3S132E0L	DIODE	1	
D501	MA3S132E0L	DIODE	1	
D551	MA3S132E0L	DIODE	1	
D601	MA3S132E0L	DIODE	1	
D1301	MA142K	DIODE	1	
D1302	MA29W-A	DIODE	1	MA2C029WA
IC1	C0JBAA000102	IC	1	
IC2	C0JBAZ000525	IC	1	
IC3	TVHC244FT	IC	1	
IC4,C5	TVHC164FT	IC	2	
IC6	TVHC126FT	IC	1	
IC7	TC74VHC32F	IC	1	C0JBAE000081
IC8	C0JBAB000196	IC	1	
IC9	TVHC00FT	IC	1	
IC101,02	C0JBAS000075	IC	2	
IC103	C0ABEB000023	IC	1	
IC104	M62370GP	IC	1	C0FBBD000082
IC105-07	C0ABFB000012	IC	3	
IC201	TVHC126FT	IC	1	
IC202	DS90LV048AC	IC	1	
IC203	TLCX04F	IC	1	
IC204	C0JBAF000224	IC	1	
IC206	DS90LV047AC	IC	1	
IC301	NJM1496V	IC	1	
IC302	UPC1663GV	IC	1	C0ABAB000078
IC303	C0JBAS000075	IC	1	
IC351	UPC1663GV	IC	1	C0ABAB000078
IC401	NJM1496V	IC	1	
IC402	UPC1663GV	IC	1	C0ABAB000078
IC403	C0JBAS000075	IC	1	
IC451	UPC1663GV	IC	1	C0ABAB000078
IC501	NJM1496V	IC	1	
IC502	UPC1663GV	IC	1	C0ABAB000078
IC551	NJM1496V	IC	1	
IC552	UPC1663GV	IC	1	C0ABAB000078
IC601	NJM1496V	IC	1	
IC602	UPC1663GV	IC	1	C0ABAB000078
IC701	UPC1663GV	IC	1	C0ABAB000078
IC731	UPC1663GV	IC	1	C0ABAB000078
IC761	UPC1663GV	IC	1	C0ABAB000078
IC801	MN673798	IC	1	
IC802	C0ABBB000158	IC	1	
IC803	DS90LV047AC	IC	1	
IC804	C0JBAF000315	IC	1	
IC805,06	C0JBAZ000852	IC	2	
IC901	MN673798	IC	1	
IC902	C0ABBB000158	IC	1	
IC904	C0ABFB000012	IC	1	
IC1001	MN673798	IC	1	
IC1002	C0ABBB000158	IC	1	
IC1003	DS90LV047AC	IC	1	
IC1101	MN673798	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1102	C0ABBB000158	IC	1	
IC1201	MN673798	IC	1	
IC1202	C0ABBB000158	IC	1	
IC1203	DS90LV047AC	IC	1	
IC1301	LT1175CS8	IC	1	
IC1303	LT1086CM	IC	1	C0CBAYG00001
IC1304,05	C0CBADD00003	IC	2	
L301	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L302	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L351	VLQ0163J8R2	COIL 8.2UH	1	
L352	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L353	VLQ0163J1R5	COIL 1.5UH	1	
L354	VLQ077168NM	COIL	1	
L401	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L402	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L451	VLQ0163J8R2	COIL 8.2UH	1	
L452	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L453	VLQ0163J1R5	COIL 1.5UH	1	
L454	VLQ077168NM	COIL	1	
L501	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L502	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L551	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L552	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L601	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L602	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L701	VLQ0163J5R6	COIL 5.6UH	1	
L731	VLQ0163J5R6	COIL 5.6UH	1	
L761	VLQ0163J5R6	COIL 5.6UH	1	
L1301-05	VLP0183	COIL	5	J0JKC0000007
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	VJS3791B020	CONNECTOR (FEMALE)	1	
P4	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q1	2SB1218A0L	TRANSISTOR	1	
Q2	2SD1819A-R	TRANSISTOR	1	
Q3	XP0431200L	TRANSISTOR	1	
Q201,02	2SC3930	TRANSISTOR	2	
Q203,04	2SD601A	TRANSISTOR	2	
Q205,06	2SB1218A0L	TRANSISTOR	2	
Q301	XP6534	TRANSISTOR-RESISTOR	1	
Q302	2SC3930	TRANSISTOR	1	
Q303	XP6501	TRANSISTOR-RESISTOR	1	
Q304,05	2SD1979	TRANSISTOR	2	
Q306,07	2SC3930	TRANSISTOR	2	
Q351	XP6534	TRANSISTOR-RESISTOR	1	
Q401	XP6534	TRANSISTOR-RESISTOR	1	
Q402	2SC3930	TRANSISTOR	1	
Q403	XP6501	TRANSISTOR-RESISTOR	1	
Q404,05	2SD1979	TRANSISTOR	2	
Q406,07	2SC3930	TRANSISTOR	2	
Q451	XP6534	TRANSISTOR-RESISTOR	1	
Q501	XP6534	TRANSISTOR-RESISTOR	1	
Q502	2SC3930	TRANSISTOR	1	
Q503	XP6501	TRANSISTOR-RESISTOR	1	
Q504,05	2SD1979	TRANSISTOR	2	
Q506,07	2SC3930	TRANSISTOR	2	
Q551	XP6534	TRANSISTOR-RESISTOR	1	
Q552	2SC3930	TRANSISTOR	1	
Q553	XP6501	TRANSISTOR-RESISTOR	1	
Q554,55	2SD1979	TRANSISTOR	2	
Q556,57	2SC3930	TRANSISTOR	2	
Q601	XP6534	TRANSISTOR-RESISTOR	1	
Q602	2SC3930	TRANSISTOR	1	
Q603	XP6501	TRANSISTOR-RESISTOR	1	
Q604,05	2SD1979	TRANSISTOR	2	
Q606,07	2SC3930	TRANSISTOR	2	
Q701	2SC3930	TRANSISTOR	1	
Q702	2SA153200L	TRANSISTOR	1	
Q703	2SD1979	TRANSISTOR	1	
Q731	2SC3930	TRANSISTOR	1	
Q732	2SA153200L	TRANSISTOR	1	
Q733	2SD1979	TRANSISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q761	2SC3930	TRANSISTOR	1	
Q762	2SA153200L	TRANSISTOR	1	
Q763	2SD1979	TRANSISTOR	1	
Q801	XP0450100L	TRANSISTOR	1	
Q802	2SD1819A-R	TRANSISTOR	1	
Q803	2SB1218A0L	TRANSISTOR	1	
Q901	XP0450100L	TRANSISTOR	1	
Q1001	XP0450100L	TRANSISTOR	1	
Q1101	XP0450100L	TRANSISTOR	1	
Q1201	XP0450100L	TRANSISTOR	1	
Q1301-03	2SB710A	TRANSISTOR	3	
Q1304-06	2SD602A-R	TRANSISTOR	3	
Q1307	2SD601A	TRANSISTOR	1	
QR351,52	UN5212	TRANSISTOR-RESISTOR	2	
QR1302-04	UNR511100L	TRANSISTOR	3	
QR1305-07	UNR521100L	TRANSISTOR	3	
QR1308-10	UNR511100L	TRANSISTOR	3	
R1-R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4,R5	EXBV8V473J	COMBI.R-R 47K	2	
R6	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7,R8	EXBV8V101J	COMBI.R-R 100	2	
R9	EXBV8V473J	COMBI.R-R 47K	1	
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R11	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R12	EXBV8V473J	COMBI.R-R 47K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R15	EXBV8V473J	COMBI.R-R 47K	1	
R16-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R19,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R22,23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R27-34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R101-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R104,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R106	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108-10	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R112	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R114-26	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	13	
R127,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R129,30	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R131,32	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R133	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R134	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R135	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R136	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R137-39	D0GB123JA002	M.RESISTOR CH 1/16W 12K	3	
R140-42	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R143	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R144	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R145	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R147	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R148-54	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	7	
R155-58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R159,60	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R161,62	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R163,64	D0GB123JA002	M.RESISTOR CH 1/16W 12K	2	
R165	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R166	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R167	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R169-71	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R172	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R173	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R174	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R175-80	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	6	
R181-84	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R202,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R205-07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R208-11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R212,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R214,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R216-18	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R219	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R222-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R225,26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R227,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R229,30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R231,32	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R233,34	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R301,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R303,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R305,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R307	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R311	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R312	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R313	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R314	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R315	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R316	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R317	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R318	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R319,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R321,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R323	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R327	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R328,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R330	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R331	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R333	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R334-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R337	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R351,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R353	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R354	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R355	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R357	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R358	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R359	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R360	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R361	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R362	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R363	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R367	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R370,71	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R405,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R407	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R408	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R409,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R413	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R414	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R415	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R416	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R417	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R418	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R419,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R421,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R423	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R424,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R426	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R427	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R428,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R430	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R433	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R434-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R437	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R451,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R453	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R454	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R456	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R457	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R459	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R460	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R461	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R462	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R464	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R465	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R467	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R470	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R503,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R505,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R507	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R509,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R511	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R512	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R513	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R514	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R515	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R516	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R517	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R518	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R519,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R523	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R527	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R528,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R530	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R533	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R534-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R537	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R551,52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R557	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R558	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R559,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R561	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R562	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R563	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R566	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R567	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R568	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R569,70	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R571,72	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R573	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R574,75	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R576	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R577	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R578,79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R580	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R582	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R583	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R584-86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R587	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R601,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R603,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R605,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R607	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R608	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R609,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R613	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R614	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R615	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R616	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R617	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R618	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R619,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R621,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R623	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R624,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R626	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R627	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R628,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R630	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R632	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R633	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R634-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R701	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R704	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R705	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R707	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R708	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R709	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R710	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R711	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R713	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R731	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R732	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R733	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R734	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R735	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R736	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R737	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R738	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R740	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R741	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R743	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R746	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R747	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R761	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R762	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R763	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R764	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R765	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R766	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R767	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R768	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R769	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R770	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R771	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R772	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R773	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R776	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R777	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R802	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R803	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R805	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R806	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R807	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R811	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R812	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R813	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R818,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R820	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R826	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R827	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R828	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R829	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R832	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R833,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R835	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R836	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R837	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R838	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R839	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R840	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R841	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R842	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R843	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R844	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R845	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R846	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R847	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R848	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R849	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R850	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R851-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R856	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R857	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R858	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R859	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R860	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R861	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R901	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R902	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R903	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R904	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R905	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R906	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R911	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R912	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R920	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R926	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R927	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R928	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R929	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R933,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R935	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R936	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R938	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R950	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R951-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R957	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R959	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R962,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R964	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R965	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1002	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1003	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1004	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1005	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1006	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1007	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1012	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1017	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1018,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R1020	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1026	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1027	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1028	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1029	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1033,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1035	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1036	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1038	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1049	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1050	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1051-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1057	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1059	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1060	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1061	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1102	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1103	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1105	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1106	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1107	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1111	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1112	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1113,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1117	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1120	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1127	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1129	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1133,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1135	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1138	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1150	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1151-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1157	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1159	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1160	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1162,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1164	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1201	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1202	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1203	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1205	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1206	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1207	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1211	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1212	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1213,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1222-24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1226	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1227	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1233,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1238	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1249	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1250	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1251-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1257	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1259	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1260	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1261	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1262,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1264	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1301	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1302	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R1303	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1304-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1307-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	6	
R1319-24	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	6	
R1325-27	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1328-31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R1332,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1334	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
RY1301	VSY2176	RELAY	1	K6B2CDA00045
SW201,02	VJP2536A003	CONNECTOR (MALE)	2	
TG1,G2	VJR0646	TEST POINT	2	D0X0R0000022
TP1-P7	EYF6CU	TEST POINT	7	
TP101-05	EYF6CU	TEST POINT	5	
TP201-05	EYF6CU	TEST POINT	5	
TP302	EYF6CU	TEST POINT	1	
TP304,05	EYF6CU	TEST POINT	2	
TP402	EYF6CU	TEST POINT	1	
TP404,05	EYF6CU	TEST POINT	2	
TP801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	8	
	XYN2+J6	SCREW	2	
	VWZ0212	THERMAL CONDUCTIVE TUBE	5	
	VMP6464	HEAT SINK HOLDER ANGLE A	1	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
	VSC4609	SHIELD CASE	5	
	VJS1990	CONNECTOR (FEMALE)	2	
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3,C4	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C7	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C8,C9	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C10-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C14	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C15,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C17	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C18,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C20	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C21,22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C101,02	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C103,04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C108	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C109	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C110	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C111	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C112	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C113-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C116	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C117	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C171,72	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C173,74	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C176	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C177	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C178	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C179	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C180	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C181	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C182	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C183-90	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C251,52	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C256	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C257	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C258	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C259	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C260	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C261	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C262	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C263-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C266	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C267	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C321,22	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C326	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C327	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C328	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C330	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C332	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C333,34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C339-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C401-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C405-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C409-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C417	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C420	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C431-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C435-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C439-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C447	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C465-68	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C469-75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C477	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C480	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C481	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C482	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C483	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C484	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C501-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C505-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C509-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C517	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C520	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C531-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C535-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C539-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C547	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C561	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C562,63	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C580	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C581	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C582,83	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C601-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C606,07	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C608	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C609,10	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C611-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C616,17	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C618,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C620	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C4002	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4003	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4004	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4005	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4006	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4007	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4008	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4009,10	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4011	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4012	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4013	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4015	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4016,17	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4018	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4019	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4020	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4021	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4022	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4023	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4024	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	F1K2J271A014	C.CAPACITOR CH 10V 270P	1	
C4027	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4028	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4029	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4030,31	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4032	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C4033	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4103,04	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	2	
C4105,06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4107-09	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C4110,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4112	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C4113,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4115	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4116	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4117	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4118	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4119	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C4121	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4122	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4123	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C4124	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4126	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4127	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4128	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4129,30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4131	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4133	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4134	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4136	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4137	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4139	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4140	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4141	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4142	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4201-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C4207,08	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4209,10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4211	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4212	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4213	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4214	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4216	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4217	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4218,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4220	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4301	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4305,06	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C4308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4309,10	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4313	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4314,15	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4316,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4320-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4325-28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4329	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4330	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4334	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4338,39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4343	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C4344,45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4346	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4347	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D101-03	MA152WK	DIODE	3	
D171-73	MA152WK	DIODE	3	
D4001,02	MA142K	DIODE	2	
D4201	MA716	DIODE	1	
D4202	MA157A	DIODE	1	
FL4001	G2A193C00001	COIL	1	
FL4002	VLF1466B223	LINE FILTER	1	
FL4101	VLF1069	FILTER	1	G4ZZ00000278
FL4301-03	VLF1466B223	LINE FILTER	3	
IC1-C3	C0JBAB000541	IC	3	
IC4	TVHC00FT	IC	1	
IC5	C0JBAB000007	IC	1	
IC7-12	TC4S30F	IC	6	C0JBAZ000429
IC101	LT1175CS8	IC	1	
IC251	LT1175CS8	IC	1	
IC401	UPC5102GS030	IC	1	C1ZBZ0001316
IC402	UPC2726T	IC	1	
IC431	UPC5102GS030	IC	1	C1ZBZ0001316
IC432	UPC2726T	IC	1	
IC461	UPC5102GS030	IC	1	C1ZBZ0001316
IC462	UPC2726T	IC	1	
IC501	UPC5102GS030	IC	1	C1ZBZ0001316
IC502	UPC2726T	IC	1	
IC531	UPC5102GS030	IC	1	C1ZBZ0001316
IC532	UPC2726T	IC	1	
IC601,02	C0CBADD00003	IC	2	
IC4001	C0ABBB000124	IC	1	
IC4102	NJM78L09UA	IC	1	C0CBAHC00002
IC4103	C0JBAR000379	IC	1	
IC4104	TA75W558FU	IC	1	C0ABBA000042
IC4105	THC4052FT	IC	1	
IC4106	C1BB00000746	IC	1	
IC4107	C0JBAB000350	IC	1	
IC4108,09	TA75W558FU	IC	2	C0ABBA000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4203	C0DBZGH00001	IC	1	
IC4204	NJM79L05UA	IC	1	C0CBBDC00001
IC4205	TVHC244FT	IC	1	
IC4206	C0CBABC00049	IC	1	
IC4207	C0FBZH000011	IC	1	
IC4209	TA75W558FU	IC	1	C0ABBA000042
IC4302,03	TA75W558FU	IC	2	C0ABBA000042
IC4308	C0JBAR000379	IC	1	
IC4309	TA75W558FU	IC	1	C0ABBA000042
IC4313	TVHT244FT	IC	1	
L101,02	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L171,72	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L251,52	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L321,22	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L401	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L461	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L501	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L560,61	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L580,81	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L601-05	VLP0183	COIL	5	J0JKC0000007
L4001	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L4002	VLQ0423J472	COIL 4700UH	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1	VJP4064L140	CONNECTOR (MALE)	1	K1KBE0B00003
P2	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P3	VJS3900A024	CONNECTOR (FEMALE)	1	
P4	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P4001	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q1	2SA153200L	TRANSISTOR	1	
Q2	XP0431200L	TRANSISTOR	1	
Q3	XP0460100L	TRANSISTOR	1	
Q4,Q5	2SA153200L	TRANSISTOR	2	
Q6	XP0431200L	TRANSISTOR	1	
Q7-Q9	2SA153200L	TRANSISTOR	3	
Q101,02	2SC3935	TRANSISTOR	2	
Q103	XP4506	TRANSISTOR-RESISTOR	1	
Q104	2SC3935	TRANSISTOR	1	
Q106	2SC4536	TRANSISTOR	1	
Q107	2SA153200L	TRANSISTOR	1	
Q108	XP0150400L	TRANSISTOR	1	
Q109	2SK508K512	TRANSISTOR	1	
Q110	2SC4536	TRANSISTOR	1	
Q111	2SA153200L	TRANSISTOR	1	
Q112	XP0150400L	TRANSISTOR	1	
Q113	2SK508K512	TRANSISTOR	1	
Q114	2SC4536	TRANSISTOR	1	
Q116	2SC4536	TRANSISTOR	1	
Q117	2SC3935	TRANSISTOR	1	
Q171,72	2SC3935	TRANSISTOR	2	
Q173	XP4506	TRANSISTOR-RESISTOR	1	
Q174	2SC3935	TRANSISTOR	1	
Q176	2SC4536	TRANSISTOR	1	
Q177	2SA153200L	TRANSISTOR	1	
Q178	XP0150400L	TRANSISTOR	1	
Q179	2SK508K512	TRANSISTOR	1	
Q180	2SC4536	TRANSISTOR	1	
Q181	2SA153200L	TRANSISTOR	1	
Q182	XP0150400L	TRANSISTOR	1	
Q183	2SK508K512	TRANSISTOR	1	
Q184	2SC4536	TRANSISTOR	1	
Q186	2SC4536	TRANSISTOR	1	
Q187	2SC3935	TRANSISTOR	1	
Q251,52	2SC3935	TRANSISTOR	2	
Q254	2SC3935	TRANSISTOR	1	
Q256	2SC4536	TRANSISTOR	1	
Q257	2SA153200L	TRANSISTOR	1	
Q259	2SK508K512	TRANSISTOR	1	
Q260	2SC4536	TRANSISTOR	1	
Q261	2SA153200L	TRANSISTOR	1	
Q263	2SK508K512	TRANSISTOR	1	
Q264	2SC4536	TRANSISTOR	1	
Q266	2SC4536	TRANSISTOR	1	
Q267	2SC3935	TRANSISTOR	1	
Q321,22	2SC3935	TRANSISTOR	2	
Q324	2SC3935	TRANSISTOR	1	
Q326	2SC4536	TRANSISTOR	1	
Q327	2SA153200L	TRANSISTOR	1	
Q329	2SK508K512	TRANSISTOR	1	
Q330	2SC4536	TRANSISTOR	1	
Q331	2SA153200L	TRANSISTOR	1	
Q333	2SK508K512	TRANSISTOR	1	
Q334	2SC4536	TRANSISTOR	1	
Q336	2SC4536	TRANSISTOR	1	
Q337	2SC3935	TRANSISTOR	1	
Q401,02	XP4506	TRANSISTOR-RESISTOR	2	
Q403	XP6534	TRANSISTOR-RESISTOR	1	
Q405	XP6534	TRANSISTOR-RESISTOR	1	
Q431	XP4506	TRANSISTOR-RESISTOR	1	
Q435	XP6534	TRANSISTOR-RESISTOR	1	
Q461,62	XP4506	TRANSISTOR-RESISTOR	2	
Q463	XP6534	TRANSISTOR-RESISTOR	1	
Q464	XP0150400L	TRANSISTOR	1	
Q465	XP6534	TRANSISTOR-RESISTOR	1	
Q501,02	XP4506	TRANSISTOR-RESISTOR	2	
Q503	XP6534	TRANSISTOR-RESISTOR	1	
Q505	XP6534	TRANSISTOR-RESISTOR	1	
Q531	XP4506	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q535	XP6534	TRANSISTOR-RESISTOR	1	
Q560,61	2SC3735	TRANSISTOR	2	
Q580,81	2SC3735	TRANSISTOR	2	
Q601,02	2SB710A	TRANSISTOR	2	
Q4001	2SB779-R	TRANSISTOR	1	
Q4002	2SD1819A-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4004	2SB779-R	TRANSISTOR	1	
Q4005	2SD1819A-R	TRANSISTOR	1	
Q4006	2SD874-R	TRANSISTOR	1	
Q4007	2SD1979	TRANSISTOR	1	
Q4008	2SB792-R	TRANSISTOR	1	
Q4009,10	2SD1149-R	TRANSISTOR	2	
Q4011,12	2SD1979	TRANSISTOR	2	
Q4201	2SD1979	TRANSISTOR	1	
QR601,02	UNR521100L	TRANSISTOR	2	
QR4001,02	UNR511300L	TRANSISTOR	2	
QR4003	UNR521300L	TRANSISTOR	1	
QR4004	UNR511300L	TRANSISTOR	1	
QR4005,06	UNR521300L	TRANSISTOR	2	
QR4007	UNR511300L	TRANSISTOR	1	
QR4201	UNR521300L	TRANSISTOR	1	
QR4202	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	EXBV8V473J	COMBI.R-R 47K	1	
R3,R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	EXBV8V473J	COMBI.R-R 47K	1	
R7-42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	36	D0GB103JA002
R101,02	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R103	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R104	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R105,06	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R107-09	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R110,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R112,13	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R114-17	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R118,19	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R121	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R124	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R126	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R127	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R128	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R129	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R130	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R131	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R132	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R133	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R135	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R136	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R137	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R138	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R141	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R142	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R143	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R145	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R146	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R149,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R171,72	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R173	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R174	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R175,76	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R177-79	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R180,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R182,83	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R184-87	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R188,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R191	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R192	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R194	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R195	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R196	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R197	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R198	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R199	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R200	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R201	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R203	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R204	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R205	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R206	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R207	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R208	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R210	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R211	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R212	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R213	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R215	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R255,56	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R257,58	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R260,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R262,63	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R268,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R270,71	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R272	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R273	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R274	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R275	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R276	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R277	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R279	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R280	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R281	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R282	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R283	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R284	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R285	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R287	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R288	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R289	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R290	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R291	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R292	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R293,94	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R295	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R296	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R299,00	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R323	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R325,26	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R327,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R330,31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R332,33	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R338,39	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R340,41	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R342	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R343	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R344	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R345	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R346	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R347	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R349	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R350	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R351	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R353	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R354	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R355	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R357	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	D0GF561JA002
R358	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R359	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R361	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R362	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R363,64	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R365	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R369,70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R408,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R410,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R412,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R414	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R417,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R419,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R421,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R423,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R425,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R431,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R433-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R437	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R438,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R440,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R442,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R444	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R447,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R449,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R451,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R453,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R455,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461,62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R463-66	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468,69	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R470,71	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R472,73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R474	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R477,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R479,80	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R481,82	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R483,84	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R485,86	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R487	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R488,89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R490,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R501,02	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R503-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R510,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R512,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R517,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R519,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R521,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R523,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R525,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R527	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R528,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R531,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R533-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R538,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R540,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R542,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R544	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R547,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R549,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R551,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R560	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R561	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R562	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R563	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R580	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R581	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R582	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R583	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R584	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R585	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R601,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R605,06	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4004	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4006	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4007	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4008	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4009	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4011	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4012	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4013	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4014	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4015	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4016	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4017	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4024	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4025	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4026	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4027	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4028	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4029	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4030	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4031	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4032	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R4033	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4034	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4035	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4036	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4037,38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4039	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4040	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4041	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4042,43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4044	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4045	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4048	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4049	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4101,02	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R4103	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4105	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R4109	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4111	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4113	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4116	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4117	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4119,20	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4121	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4122-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4125	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4126	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4128	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4129	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4130	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4131	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4132	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4135	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4136	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4137	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4138	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4140	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4201	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4202	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4203	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4208	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4209	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4210	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4211	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4212	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4213	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4306	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4307	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4309	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4310	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4312	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4315	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4316	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4319,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4322	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4324	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4330	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4332	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4335	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4340	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4344	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4346	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
T4001,02	VLT0729	TRANSFORMER	2	G4ZZ00000358
TG1	VJR0646	TEST POINT	1	D0X0R0000022
TG4005	EYF6CU	TEST POINT	1	
TG4101	EYF6CU	TEST POINT	1	
TG4203	EYF6CU	TEST POINT	1	
TP1,P2	EYF6CU	TEST POINT	2	
TP4001-04	EYF6CU	TEST POINT	4	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201,02	EYF6CU	TEST POINT	2	
VR4001	VRV0161B503	V.RESISTOR 50K	1	
VR4002	VRV0161B103	V.RESISTOR 10K	1	
VR4103	VRV0161B503	V.RESISTOR 50K	1	
VR4301,02	VRV0161B502	V.RESISTOR 5K	2	
VR4305,06	VRV0161B103	V.RESISTOR 10K	2	
		MISCELLANEOUS		

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP7961	RF PB MOUNT ANGLE	2	
	VSC5040	HEAD BUFF SHIELD (UPPER)	1	
	VSC5041	HEAD BUFF SHIELD (MIDDLE)	1	
	VSC5042	P.C.BOARD SHIELD (LOWER)	1	
	XTV3+6FFR	SCREW	2	
	XYN2+J6	SCREW	2	
	VSC5583	EARTH HOLDER ANGLE	1	
	XSN26+3	SCREW	1	
	VMZ3026	SHIELD PROTECT SHEET	1	
	VEE9862	EARTH CABLE	1	
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
C4002-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4006,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4051-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C4101-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4106	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4107-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4112	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4113	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4151	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4152	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4153	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4154	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4155	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4156	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4157-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4160,61	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4164-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4170,71	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4172-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4178-86	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4187	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4188-90	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4191	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4193-95	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4196,97	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4198,99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4201-04	ECQV1H105JL	P.CAPACITOR 50V 1U	4	
C4213,14	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4215-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4219,20	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4221-24	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4225,26	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4227,28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4229-32	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	4	
C4233-42	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4243,44	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4245-48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4249	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4250-53	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4254,55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4256	F2H0J4700003	E.CAPACITOR 6.3V 47U	1	
C4265-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4269-72	ECHU1C472JB	P.CAPACITOR 16V 4700P	4	
C4273-80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4281-84	EEVHP0J100	E.CAPACITOR 6.3V 10U	4	
C4401-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4405-08	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4409-12	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4414,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4417,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4420,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4423,24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4425-28	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	4	
C4429-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4433,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4435	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4437	EEVHB1C220	E.CAPACITOR 16V 22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4439	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4440	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4441	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4442	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4443,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4445,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4447,48	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4449-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4453-56	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4457	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4458-65	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4466-69	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4601	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4602,03	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4608,09	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4613-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4617,18	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4619,20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4621,22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4623	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4624,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4626,27	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4628	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4630,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4632	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4633,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4635,36	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4637	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4801,02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4803,04	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4805,06	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4807,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4809,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4811,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4813,14	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4815,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4817	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4818,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4820	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4821	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4823	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4825	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4827,28	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4829-32	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4833-36	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4837,38	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C4839,40	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4841,42	D4ED1220A006	VARISTOR	2	
D4201-03	MA716	DIODE	3	
D4601	MA716	DIODE	1	
D4602	MA147	DIODE	1	
D4603	MA716	DIODE	1	
D4604-06	MA142WK	DIODE	3	
D4607	MA716	DIODE	1	
D4608,09	MA142WA	DIODE	2	
FL4101	VLF1466B223	LINE FILTER	1	
IC4003	TVHC244FT	IC	1	
IC4004	C1ZBZ0001555	IC	1	
IC4006	C0EBE0000236	IC	1	
IC4007	C1ZBZ0002372	IC	1	
IC4008	TVHT244FT	IC	1	
IC4057-59	TVHT244FT	IC	3	
IC4060,61	TVHC244FT	IC	2	
IC4105,06	SN74S1051NS	IC	2	
IC4109-11	C0JBAZ000852	IC	3	
IC4112	TLCX245FT	IC	1	
IC4114-16	TVHT244FT	IC	3	
IC4151,52	C0JBAB000422	IC	2	
IC4155	TVHT244FT	IC	1	
IC4156	C0CBADD00003	IC	1	
IC4158	TLCX245FT	IC	1	
IC4160	MC74HC4046AF	IC	1	C0JBAZ000153

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4163	C5AB00000006	IC	1	
IC4164	C0ABHA000020	IC	1	
IC4166	TLCX245FT	IC	1	
IC4167	TVHC244FT	IC	1	
IC4169,70	C5AB00000006	IC	2	
IC4171	C3ABQG000045	IC	1	
IC4172	C5AB00000006	IC	1	
IC4173	TVHC244FT	IC	1	
IC4174,75	C0ZBZ0000830	IC	2	
IC4205-08	TA75W558FU	IC	4	C0ABBA000042
IC4209	XC62AP5002M	IC	1	C0CBADD00005
IC4210	XC62DN5002M	IC	1	
IC4211-14	THC4052FT	IC	4	
IC4219	XC62AP5002M	IC	1	C0CBADD00005
IC4220	XC62DN5002M	IC	1	
IC4221-24	C0FBBG000033	IC	4	
IC4225-28	TA75W558FU	IC	4	C0ABBA000042
IC4229-32	THC4052FT	IC	4	
IC4233	XC62AP5002M	IC	1	C0CBADD00005
IC4242-45	TA75W558FU	IC	4	C0ABBA000042
IC4401-04	C0ABBB000184	IC	4	
IC4409,10	C0FBZK000006	IC	2	
IC4411	C0CBABE00013	IC	1	
IC4412-15	C0ABBB000184	IC	4	
IC4420-23	THC4052FT	IC	4	
IC4601,02	C0JBAR000379	IC	2	
IC4603	TA75W558FU	IC	1	C0ABBA000042
IC4606,07	TC4W53FU	IC	2	
IC4613	TA75W558FU	IC	1	C0ABBA000042
IC4615	TA75W558FU	IC	1	C0ABBA000042
IC4617	TA75W558FU	IC	1	C0ABBA000042
IC4618	THC4052FT	IC	1	
IC4620	THC4052FT	IC	1	
IC4622	TA75W558FU	IC	1	C0ABBA000042
IC4624	THC4052FT	IC	1	
IC4626	THC4052FT	IC	1	
IC4632,33	C0JBAR000379	IC	2	
IC4636	XC62AP5002M	IC	1	C0CBADD00005
IC4637	XC62DN5002M	IC	1	
IC4639	TA75W558FU	IC	1	C0ABBA000042
IC4640	XC62AP5002M	IC	1	C0CBADD00005
IC4641	XC62DN5002M	IC	1	
IC4642	TA75W558FU	IC	1	C0ABBA000042
IC4644	XC62AP5002M	IC	1	C0CBADD00005
IC4645	XC62DN5002M	IC	1	
IC4646	THC4052FT	IC	1	
IC4801	TA75W558FU	IC	1	C0ABBA000042
IC4805	C1BB00000360	IC	1	
IC4806,07	NJM4556AM	IC	2	C0ABBB000042
ID0	VVVSI4283A	SOFTWARE	1	DOWNLOAD ONLY
L4151,52	VLF1151A132	COIL	2	
P4001	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P4002	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4201-04	2SD1979	TRANSISTOR	4	
Q4601-04	2SB1219A-R	TRANSISTOR	4	
Q4801	2SD602A-R	TRANSISTOR	1	
Q4802	2SB710A-RS	TRANSISTOR	1	
Q4803,04	2SD1979	TRANSISTOR	2	
Q4805,06	2SD1328	TRANSISTOR	2	
QR4201-04	UNR521300L	TRANSISTOR	4	
QR4205-08	UNR511300L	TRANSISTOR	4	
QR4601,02	UNR521300L	TRANSISTOR	2	
R4003	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4005-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4012	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4013	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4016	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4021	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
R4026	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4032	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4051	EXBV8V102J	COMBI.R-R 1K	1	
R4052	D1H833040002	COMBI.R-R 33	1	
R4053	EXBV8V102J	COMBI.R-R 1K	1	
R4054,55	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4056	D1H833040002	COMBI.R-R 33	1	
R4057-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R4062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4063	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4064	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R4065	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4066	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4067-73	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R4101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R4104,05	D1H847240002	COMBI.R-R 4.7K	2	
R4112-14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4151	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4152	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4159	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4162	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4163,64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4166	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4169,70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4172	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4173,74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4175	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4176	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4178	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4179-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4201-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4205-08	ERJ3GEYJ114	M.RESISTOR CH 1/16W 110K	4	
R4209-12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4213-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4217-20	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4221	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4223	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4224	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4225	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4226	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4228	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4229	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4230	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4231	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4232	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4233	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4234	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4235	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4236	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4237	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4238	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4239	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4240	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4241	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4242	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4243	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4244	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4245	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4246	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4247	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4248	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4249-52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	4	
R4253	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4255	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4257	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4258	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4259	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4260	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4261	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4262	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4263	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4264	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4265	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4266	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4267	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4268	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4269	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4270	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4271	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4272	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4273	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4274	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4275	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4276	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4277	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4278	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4279	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4280	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4281-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4285-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4289,90	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4291-94	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R4295-98	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	4	
R4299-02	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	4	
R4303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4307	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4308	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4309	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4311	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4313	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4314	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4315	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4316	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4318	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4319-22	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4323-26	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4327-30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4331-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4335-38	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R4401-12	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4413-16	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4417-24	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4425-32	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4433,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4435,36	D1H84704A008	COMBI.R-R 47	2	
R4437,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4439,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4441,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4444	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4445	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4446-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4450	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4452	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4453	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4458-69	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4470-77	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4478-86	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4487	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4488	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4489	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4490	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4491	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4492	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4493	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4494	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4495	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4496	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4497	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4498	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4499	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4500	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4501	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4502	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4503	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4504	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4505	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4506	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4507	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4508	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4509	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4510	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4511	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4512	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4513	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4601	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4602-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R4612	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4613	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4617,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4619	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4620-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4624	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4626	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4628,29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4636	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4637	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4638	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4639	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4640	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4641	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4642	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4643	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4646,47	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	2	
R4648	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4649	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4650	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4651	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4652	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4653	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4654	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4655	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4656	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4657	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4658	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4659	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4660	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4661	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4662,63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4667	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4668	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4669	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4670	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4671	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4672	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4675-78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4679,80	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4681-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4685,86	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4687	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4688,89	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R4690	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4692	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4694	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4695	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4696	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4697	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4698,99	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4700	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4701	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4704	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4708,09	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4710	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4712-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4803,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4805,06	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4807,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4809	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4811-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4814	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4815	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R4818,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4823	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4825,26	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R4829,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4831,32	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R4833,34	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4835,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4837,38	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R4839,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4841	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4842	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4843	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4844	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4845,46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4847,48	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4849	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4851	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4852	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4853-58	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
TG4155-57	EYF6CU	TEST POINT	3	
TG4201	EYF6CU	TEST POINT	1	
TG4401,02	EYF6CU	TEST POINT	2	
TG4601	EYF6CU	TEST POINT	1	
TP4001-04	EYF6CU	TEST POINT	4	
TP4055,56	EYF6CU	TEST POINT	2	
TP4151-53	EYF6CU	TEST POINT	3	
TP4602-07	EYF6CU	TEST POINT	6	
VR4201-04	VRV0161B103	V.RESISTOR 10K	4	
VR4401-04	VRV0161B502	V.RESISTOR 5K	4	
X4151	VSX0519	CRYSTAL OSCILLATOR	1	H0D160500011
X4152	H4G2455B0005	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4001	ECA1CHG221	E.CAPACITOR 16V 220U	1	
C4101,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4103,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4105,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4107,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4109,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4111-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4119,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4121,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4123-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4201,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4203,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4205,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4207,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4209,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4211-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4219,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4221,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4223-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4300-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4304,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4306-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4310,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4312-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4316-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4320-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4326-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4330,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
C4400-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4404,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4406-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4410,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4412-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4416-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4420-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4426-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4430,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
D4300,01	MA152WA	DIODE	2	
D4302,03	MA152WK	DIODE	2	
D4304	MA716	DIODE	1	
D4400,01	MA152WA	DIODE	2	
D4402,03	MA152WK	DIODE	2	
D4404	MA716	DIODE	1	
IC4101	TA75W558FU	IC	1	C0ABBA000042
IC4102	NJM4556AM	IC	1	C0ABBB000042
IC4103	TA75W558FU	IC	1	C0ABBA000042
IC4104	NJM4556AM	IC	1	C0ABBB000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4202	NJM4556AM	IC	1	C0ABBB000042
IC4203	TA75W558FU	IC	1	C0ABBA000042
IC4204	NJM4556AM	IC	1	C0ABBB000042
IC4300,01	AQV212SX	IC	2	K6G1AKB00012
IC4302,03	K6G4AKB00004	IC	2	
IC4304	XC62AP5002M	IC	1	C0CBADD00005
IC4305,06	NJM2122M	IC	2	
IC4307,08	TA75W558FU	IC	2	C0ABBA000042
IC4309	XC62DN5002M	IC	1	
IC4400,01	AQV212SX	IC	2	K6G1AKB00012
IC4402,03	K6G4AKB00004	IC	2	
IC4404	XC62AP5002M	IC	1	C0CBADD00005
IC4405,06	NJM2122M	IC	2	
IC4407,08	TA75W558FU	IC	2	C0ABBA000042
IC4409	XC62DN5002M	IC	1	
P4101	VJS3421A020	CONNECTOR (FEMALE)	1	K1MN20A00027
P4102	VJP3600F030K	CONNECTOR (MALE)	1	
P4103	K1KA03A00017	CONNECTOR (MALE)	1	
P4301	VJP3600F030K	CONNECTOR (MALE)	1	
P4303	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
Q4101	2SD602A-R	TRANSISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4102	2SB710A-RS	TRANSISTOR	1	
Q4103-06	2SD1328	TRANSISTOR	4	
Q4201	2SD602A-R	TRANSISTOR	1	
Q4202	2SB710A-RS	TRANSISTOR	1	
Q4203-06	2SD1328	TRANSISTOR	4	
QR4300-09	UNR521300L	TRANSISTOR	10	
QR4400-09	UNR521300L	TRANSISTOR	10	
R4001-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R4031	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4101,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4105,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4107,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4109,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4111-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4119-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4123,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4125-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4131-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4135-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4141-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4145,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4201,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4205,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4207,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4209,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4211-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4219-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4223,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4225-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4231-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4235-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4241-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4303	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4304,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4306,07	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4308	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4310	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4312,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4314-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4322-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	
R4326	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4328	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4330,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4332-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4336	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4337	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4338	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4339	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4340,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4342-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4346-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4350-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4356,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4358,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4362,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4364,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4366-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
R4401	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4403	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4404,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4406	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4407	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4408	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4409	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4412,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4414-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4422-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4426	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4428	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4429	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4430,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4432-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4436	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4437	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4438	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4439	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4440,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4442-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4446-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4450-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4456,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4458,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4462,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4464,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4466-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
VR4101,02	EVM7JGA00B52	V.RESISTOR 500	2	
VR4201,02	EVM7JGA00B52	V.RESISTOR 500	2	
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
C4	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C9	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C13	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C18,19	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C21,22	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C23	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302-04	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C305-09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C310-12	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C313	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C314	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C315-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C400	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C401	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C403	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C404	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C405-07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C502,03	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	2	
C504,05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C506,07	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C508,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C510,11	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C512,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C514,15	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C518,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C520	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C521	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C522	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C523	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C524	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C525	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C526	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C527	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C528,29	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C530,31	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C532,33	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C534,35	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C536,37	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C538,39	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C540,41	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C542,43	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C544,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C546,47	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C600,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C602	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C603,04	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C606	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C607	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C608	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C609	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C610	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C611	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C612	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C613	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C614	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C615	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C616	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C703	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C704	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C705,06	EEVHB1C220	E.CAPACITOR 16V 22U	2	
D1	MA147	DIODE	1	
D300	MA2Q73800L	DIODE	1	
D301	MA8075-M	DIODE	1	
D400	MA142K	DIODE	1	
D401-03	MA2Q73800L	DIODE	3	
D500-11	MA2Q73800L	DIODE	12	
D512,13	MA147	DIODE	2	
D700,01	MA147	DIODE	2	
IC2	C0ABBB000179	IC	1	
IC3	0P177GS	IC	1	
IC4	C0ABBB000179	IC	1	
IC5	0P177GS	IC	1	
IC6	C0ABBB000179	IC	1	
IC7	C0ABBB000184	IC	1	
IC8	C0ABBB000179	IC	1	
IC14	C0JBAZ000994	IC	1	
IC15	UPC4741G2	IC	1	
IC18	C0ABBB000184	IC	1	
IC19	C0BBBA000044	IC	1	
IC300	C0ABBA000075	IC	1	
IC301	BA6238A	IC	1	C0GAK0000007
IC302-04	C0JBAZ000608	IC	3	
IC305	BA6238A	IC	1	C0GAK0000007
IC306,07	C0JBAQ000080	IC	2	
IC400	C0JBAM000052	IC	1	
IC401	C0BBBA000044	IC	1	
IC500	C0BBBA000044	IC	1	
IC501,02	AN3834S	IC	2	
IC503	C0ABBB000179	IC	1	
IC703	C0JBAZ000994	IC	1	
IC2254	TC4538BF	IC	1	
J400-03	K4CD01000007	CABLE TERMINAL	4	
L300-04	VLF1151A132	COIL	5	
P300	K1KAA0A00120	CONNECTOR (MALE)	1	
P400	VJS3801D015	CONNECTOR (FEMALE)	1	
P401,02	VJP3172D005	CONNECTOR (MALE)	2	K1KA05B00053
P403	K1KA02B00075	CONNECTOR (MALE)	1	
P404	K1KA03B00102	CONNECTOR (MALE)	1	
P405,06	K1KA02B00075	CONNECTOR (MALE)	2	
P407	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P408	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P409	K1KA03B00102	CONNECTOR (MALE)	1	
P410	K1KA02B00075	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P411	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P412	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P413	K1KA06A00031	CONNECTOR (MALE)	1	
P414	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P415,16	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P417,18	VJP3172D004	CONNECTOR (MALE)	2	K1KA04B00007
P419	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P420	VJS3422B015	CONNECTOR (FEMALE)	1	
P421	VJS3422B019	CONNECTOR (FEMALE)	1	
P422,23	VJP3172D002	CONNECTOR (MALE)	2	K1KA02B00051
Q1	2SB1218A-R	TRANSISTOR	1	
Q100-07	B1DZED000002	TRANSISTOR	8	
Q300	2SD601A	TRANSISTOR	1	
Q301	2SB936A-Q	TRANSISTOR	1	
Q400,01	2SB766	TRANSISTOR	2	
Q500-05	2SD1624-S	TRANSISTOR	6	
Q700	2SD601A	TRANSISTOR	1	
Q701,02	2SB0709A0L	TRANSISTOR	2	
Q703	2SD601A	TRANSISTOR	1	
Q704	2SB0709A0L	TRANSISTOR	1	
Q705	2SD601A	TRANSISTOR	1	
QR100-11	UNR521300L	TRANSISTOR	12	
QR400,01	UNR521400L	TRANSISTOR-RESISTOR	2	
QR500-03	UN5215	TRANSISTOR-RESISTOR	4	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UNR511300L	TRANSISTOR	1	
QR702	UN5215	TRANSISTOR-RESISTOR	1	
QR703	UNR511500L	TRANSISTOR	1	
R3,R4	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R7	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R10	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R11,12	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R13	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R15	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R16	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R18	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R19	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R20	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R21	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R22	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R24	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R25	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R26	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R27	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R28	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R30	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R31	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R32	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R33	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R100-03	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R104-06	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R107,08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R109	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R110,11	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R112-15	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R300	EXBV8V473J	COMBI.R-R 47K	1	
R301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R302	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R303	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R304	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R305	EXBV8V473J	COMBI.R-R 47K	1	
R306	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R307,08	EXBV8V473J	COMBI.R-R 47K	2	
R309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R310-12	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	3	
R313	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R314	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R315-17	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R318-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R351	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R400	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R401	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R402	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R405	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R406	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R407	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R409	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R410	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R411	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R413	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R414-17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R418	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R421,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R504	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R505	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R506,07	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R508	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R510	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R511	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R512	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R513,14	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R515-18	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	4	
R519-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	4	
R523,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R525-28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R529	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R530	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R531	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R532-34	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	3	
R535-38	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R539,40	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R600	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R601	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R602	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R603,04	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R606,07	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R610	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R611	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R612	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R613	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R614,15	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R616	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R618	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R619	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R620	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R621	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R622	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R623	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R624	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R700-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R704,05	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R706	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R707	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R708,09	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R710	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
VR1	EVM7JGA00B24	V.RESISTOR 20K	1	
VR2	EVM7JGA00B54	V.RESISTOR 50K	1	
VR400,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E10	VEP81203D	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203D
⚠ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1002,03	F1BAH1020010	C.CAPACITOR 1000P	2	
⚠ C1004	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1005	VCK0262M222A	C.CAPACITOR 2200P	1	F1BAH2220002
C1006	EEUFC1H101	E.CAPACITOR 50V 100U	1	
C1007	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1010	VCK0106K221	C.CAPACITOR 220P	1	
C1013	ECEC2WB151DB	E.CAPACITOR 450V 150U	1	
C1014	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1015	ECQE2W105KC	P.CAPACITOR 450V 1U	1	
⚠ C1016	ECQU2A154ML	P.CAPACITOR 100V 0.15U	1	
C1017	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1102	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	
C1103	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1106	ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1107	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1108	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1110	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1111-13	EEUFC1E182	E.CAPACITOR 25V 1800U	3	
C1114,15	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	2	
C1118	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1901	ECA1HXL100	E.CAPACITOR 50V 10U	1	FOR VEP81233A
C1902	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1903	ECJ2VC1H221J	C.CAPACITOR CH 50V 220P	1	FOR VEP81233A
C1904	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	FOR VEP81233A
C1905	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1906	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1908	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1909	ECA1HXL010	E.CAPACITOR 50V 1U	1	FOR VEP81233A
C1910	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025 FOR VEP81233A
C1912	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	FOR VEP81233A
C1913	ECUX1H682KBN	C.CAPACITOR CH 50V 6800P	1	FOR VEP81233A
C1914	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1915	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	FOR VEP81233A
C1916	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1917	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1921,22	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	F1J1H103A010 FOR VEP81233A
C1923	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1924	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	FOR VEP81233A
D1001	SFPL-52	DIODE	1	
D1002	RBV606	DIODE	1	
D1003,04	SFPL-52	DIODE	2	
D1005	FML-G26S	DIODE	1	
D1006-09	MA3100-M	DIODE	4	
D1101	MA3270-M	DIODE	1	
D1103	SFPL-52	DIODE	1	
D1104	AP01C	DIODE	1	B0HADV000010
D1105	SFPL-52	DIODE	1	
D1106	D20LC20U	DIODE	1	B0HBSM000021
D1107	U1GU44	DIODE	1	
D1108	SFPL-52	DIODE	1	
D1109	MA3200-M	DIODE	1	
D1110,11	MA152K	DIODE	2	
D1112	MA3068-M	DIODE	1	
D1901,02	MA3200-M	DIODE	2	FOR VEP81233A
D1903	MA3100-M	DIODE	1	FOR VEP81233A
D1904	MA152K	DIODE	1	FOR VEP81233A
D1905	MA152WA	DIODE	1	FOR VEP81233A
D1906	MA3270-M	DIODE	1	FOR VEP81233A
D1907	MA3051-M	DIODE	1	MAZ30510ML FOR VEP81233A
D1908	MA3068-M	DIODE	1	FOR VEP81233A
D1911	MA3068-M	DIODE	1	FOR VEP81233A
D1914	MA152K	DIODE	1	FOR VEP81233A
⚠ F1001	VSF0246	FUSE	1	
IC1101	AN1431M	IC	1	
IC1901	M51951BL	IC	1	C0EAH0000030 FOR VEP81233A
IC1902	MC33262P	IC	1	C0DAZZZ00013 FOR VEP81233A
IC1903	FA5311BP	IC	1	C0DAAZZ00002 FOR VEP81233A

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J1002	VWJ0121	CABLE	1	
J1004	VWJ0121	CABLE	1	
J1101,02	VWJ0121	CABLE	2	
L1002	VLQ0861	COIL	1	
⚠ L1003,04	ELF20N015A	COIL	2	
L1007	VLP0083	COIL	1	J0JKB0000011
L1101,02	VLP0083	COIL	2	J0JKB0000011
L1106-08	VLP0336	FERRITE CORE	3	
P1001	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
P1002,03	VJP3878	CONNECTOR (MALE)	2	K1KA02B00137
P1004,05	VJP3042G003W	CONNECTOR (MALE)	2	K1KA03A00157
P1006	VJP3042G017W	CONNECTOR (MALE)	1	K1KA17A00011
P1007	VJP1149	CONNECTOR (MALE)	1	K1KA03B00084
P1101	K1KA06A00262	CONNECTOR	1	
P1901,02	VJS3042B003W	CONNECTOR (FEMALE)	2	K1KB03B00007 FOR VEP81233A
P1903	VJS3042B017W	CONNECTOR (FEMALE) 17P	1	K1KB17B00005 FOR VEP81233A
⚠ PC1101,02	B3QAZ0000030	PHOTO COUPLER	2	
Q1001	AC08FGM	DIODE	1	B2BAJR000001
⚠ Q1002	2SK1941-01R	TRANSISTOR	1	B1DEGR000002
⚠ Q1101	2SK2677-4112	TRANSISTOR	1	B1BAGU000002
Q1102	2SD601A-R	TRANSISTOR	1	
Q1103	2SB0709ALL	TRANSISTOR	1	
Q1901	XN1501	TRANSISTOR-RESISTOR	1	FOR VEP81233A
Q1903	2SJ278	TRANSISTOR	1	FOR VEP81233A
QR1901	UN2111	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1902	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1904	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1905	UN2113	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1906	UNR211200L	TRANSISTOR	1	FOR VEP81233A
QR1907	UNR221300L	TRANSISTOR	1	FOR VEP81233A
⚠ R1001	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
R1002-05	ERJ12YJ473	M.RESISTOR CH 1/2W 47K	4	
R1006	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
⚠ R1007	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1009	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1010,11	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	2	
R1012	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1013	ERX2SJR22	M.RESISTOR 2W 0.22	1	
R1014	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1017	ERG2SJ220	M.RESISTOR 2W 22	1	
R1018	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1019	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	1	
R1020	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1021	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1023	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
R1024	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1025	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1026	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1101	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1102	ERX2SJR33	M.RESISTOR 2W 0.33	1	
R1104	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1105	ERJ12YJ680	M.RESISTOR CH 1/2W 68	1	
R1108	ERG2SJ104	M.RESISTOR 2W 100K	1	
R1109	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1110	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1111	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1112	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1114	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1115,16	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1117	ERJ6RBD622	M.RESISTOR CH 1/10W 6.2K	1	
R1118	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R1119,20	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1121	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1122	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1123	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1124	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1125	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1127	ERG2SJ104	M.RESISTOR 2W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1901,02	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	FOR VEP81233A
R1903	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1904	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	FOR VEP81233A
R1905-07	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	FOR VEP81233A
R1908	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	FOR VEP81233A
R1909	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1910	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	FOR VEP81233A
R1911	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	FOR VEP81233A
R1912,13	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	FOR VEP81233A
R1915	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1916	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	FOR VEP81233A
R1917	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	FOR VEP81233A
R1919	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1920,21	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	2	FOR VEP81233A
R1923	ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	D0GD225JA003 FOR VEP81233A
R1925	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	FOR VEP81233A
R1926-28	ERJ6RBD1503	M.RESISTOR 150K	3	FOR VEP81233A
R1930	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003 FOR VEP81233A
R1931-33	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1934	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	FOR VEP81233A
R1935	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	FOR VEP81233A
R1936	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1938	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003 FOR VEP81233A
R1944-46	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1949,50	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	FOR VEP81233A
R1951	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP81233A
R1953	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	FOR VEP81233A
⚠ T1101	G4D2C0000005	TRANSFORMER	1	
⚠ TH1101	VRT0142	THERMISTOR	1	D4DDB3310005
TP1101	VJR0646	TEST POINT	1	D0X0R0000022
		MISCELLANEOUS		
⚠	VWZ0074	INSULATION COVER	1	
⚠	VMZ2187	INSULATION COVER	1	
⚠	VMZ1608	CAPACITOR TUBE	1	
	VMP5282	TRANSISTOR CLIP	1	
	VSC4861	HEAT SINK (C)	1	
	VSC4860	HEAT SINK (B)	1	
⚠	VMZ0965	CAPACITOR COVER	2	
	VSC3434	SHIELD CASE	1	
	XYN3+F8	SCREW	4	
	XTV3+8G	SCREW	1	
	VMP5283	EARTH LUG	2	
	XYN3+F6	SCREW	2	
	VMZ2908	HEAT SINK	2	
	VMZ2969	HEAT SINK	1	
	XYN3+J8	SCREW	4	
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
C1201-03	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C1204	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1206	ECA1HXS100	E.CAPACITOR 50V 10U	1	
C1207	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	
C1208,09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1211	VCEA1DSP680	E.CAPACITOR 20V 68U	1	
C1212	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1213	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1214,15	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1301	ECA1HHGR33	E.CAPACITOR 50V 0.33U	1	
C1302	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1303,04	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1305	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1306	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1307	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1308	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1309	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1310	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1311	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1312	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1313	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1314	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1316,17	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
C1318,19	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1325	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1326,27	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1328,29	VCEA1DSP680	E.CAPACITOR 20V 68U	2	
C1330-33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C1335	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1336	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1337	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C1338	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1339	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1340	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1341	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1342	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1344	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1345	F2D1D1010001	E.CAPACITOR 20V 100U	1	
C1346	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1347,48	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1352,53	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1354	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1401	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C1402	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1403	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C1404	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1405,06	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1411	ECUX1A105KBN	C.CAPACITOR CH 10V 1U	1	
C1412,13	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1414	VCEA1ASC4R7M	E.CAPACITOR 10V 4.7U	1	F2D1A4R70002
C1415-17	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3	
C1418,19	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1420,21	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C1422,23	F2D1A1010002	E.CAPACITOR 10V 100U	2	
C1424,25	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1427	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
C1801	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1802	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1803	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1804	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1805	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1806	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1807	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1808	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1811	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1814,15	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1816,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C1818	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1819	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1820	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1821	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1822	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1823	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1824	F2D1A1010002	E.CAPACITOR 10V 100U	1	
D1201	VSD0129	DIODE	1	
D1202	SF20SC3L	DIODE	1	B0JBSD000010
D1203	MA142WK	DIODE	1	
D1204	MA142WA	DIODE	1	
D1205	MA3100-M	DIODE	1	
D1206	MA142K	DIODE	1	
D1208	MA3200-M	DIODE	1	
D1209	MA8068-M	DIODE	1	
D1211	SFPB-54	DIODE	1	B0JCMC000002
D1212	MA142K	DIODE	1	
D1213	MA8100-M	DIODE	1	
D1214	MA142WK	DIODE	1	
D1215	MA3051-H	DIODE	1	
D1216	MA142K	DIODE	1	
D1301	MA152K	DIODE	1	
D1302-06	MA142K	DIODE	5	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1308	SFPB-54	DIODE	1	B0JCMC000002
D1309-11	DE5SC4M-4061	DIODE	3	B0JDRE000001
D1312,13	MA142K	DIODE	2	
D1314	MA8180-M	DIODE	1	
D1315	MA142K	DIODE	1	
D1316	MA8180-M	DIODE	1	
D1317	MA142K	DIODE	1	
D1318	MAZ80820HL	DIODE	1	
D1319	MA142K	DIODE	1	
D1320	MA8130-M	DIODE	1	
D1321	MA142K	DIODE	1	
D1322	MA142WA	DIODE	1	
D1323	MA142K	DIODE	1	
D1324	MA152K	DIODE	1	
D1402,03	MA142WK	DIODE	2	
D1404,05	SFPB-76V	DIODE	2	
D1406,07	MAZ80680KL	DIODE	2	
D1408	MA142WA	DIODE	1	
D1409	MA142WK	DIODE	1	
D1801	MA142K	DIODE	1	
D1802	MAZ81400ML	DIODE	1	
D1803	MA142K	DIODE	1	
D1804	MAZ80680KL	DIODE	1	
D1805	MA142K	DIODE	1	
D1806	MA142WA	DIODE	1	
D1807	MA152K	DIODE	1	
D1808,09	MA142K	DIODE	2	
D1810,11	DE5SC4M-4061	DIODE	2	B0JDRE000001
⚠ F1201	K5D103AQ0001	FUSE	1	
IC1201	C0BBBA000019	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1301,02	BA9743AFV	IC	2	C0DBAZC00010
IC1401	C0DBAZB00006	IC	1	
IC1801	BA9743AFV	IC	1	C0DBAZC00010
L1301,02	VLQ0655K100	COIL 10UH	2	
L1303,04	J0JBC0000023	FILTER	2	
L1305	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1306	J0JBC0000023	FILTER	1	
L1307	VLQ0859M220	COIL 22UH	1	
L1308	VLQ0859M221	COIL 220U	1	
L1309	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1310	VLQ0859M221	COIL 220U	1	
L1311	VLQ0655K220	COIL 22UH	1	
L1312	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1313	VLQ0441K220	COIL 22UH	1	
L1314,15	VLQ0655K220	COIL 22UH	2	
L1316	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1317	J0JKC0000009	FILTER	1	
L1401-04	J0JBC0000023	FILTER	4	
L1405,06	VLQ0441K1R0	COIL 1.0UH	2	
L1407	VLQ0859M100	COIL 10UH	1	
L1408	VLQ0859M220	COIL 22UH	1	
L1409	VLQ0655M3R3	COIL 3.3UH	1	
L1410	VLQ0655K100	COIL 10UH	1	
L1801	VLQ0655K100	COIL 10UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804	VLQ0784331	COIL 330UH	1	
L1805	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1806	VLQ0859M221	COIL 220U	1	
L1807,08	VLQ0441K220	COIL 22UH	2	
L1809	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
P1201	K1KA06A00262	CONNECTOR	1	
P1202	VJP3957A002	CONNECTOR (MALE)	1	K1KA02A00169
P1203	VJP4232B030	CONNECTOR (MALE)	1	K1KA30B00031
P1204	VJP1596T	CONNECTOR (MALE)	1	K1KA03A00113
P1205	K1KA03A00017	CONNECTOR (MALE)	1	
Q1201,02	XN0121300L	TRANSISTOR-RESISTOR	2	
Q1203	XN0460100L	TRANSISTOR-RESISTOR	1	
Q1204-07	B1DGJG000005	TRANSISTOR	4	
Q1208,09	XN0440100L	TRANSISTOR	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1210	XN4501	TRANSISTOR-RESISTOR	1	
Q1211,12	2SD1819A-R	TRANSISTOR	2	
Q1301,02	XN4501	TRANSISTOR-RESISTOR	2	
Q1303,04	2SD1819A-R	TRANSISTOR	2	
Q1306,07	2SD1819A-R	TRANSISTOR	2	
Q1308	2SD1820A-R	TRANSISTOR	1	
Q1309-12	XN0440100L	TRANSISTOR	4	
Q1313	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1314	2SJ214S	TRANSISTOR	1	
Q1315	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1316,17	2SK1059-Z	TRANSISTOR	2	B1DFDG000001
Q1318,19	2SD1819A-R	TRANSISTOR	2	
Q1401-04	B1DFFD000006	FET	4	
Q1801	2SD1819A-R	TRANSISTOR	1	
Q1802	XN4501	TRANSISTOR-RESISTOR	1	
Q1803	2SD1819A-R	TRANSISTOR	1	
Q1805	2SD1819A-R	TRANSISTOR	1	
Q1807,08	XN0440100L	TRANSISTOR	2	
Q1809,10	2SJ279S	TRANSISTOR	2	B1DGDG000002
QR1201	UNR521300L	TRANSISTOR	1	
QR1202	UNR521100L	TRANSISTOR	1	
QR1203	UNR511300L	TRANSISTOR	1	
QR1204	UN5212	TRANSISTOR-RESISTOR	1	
QR1207	UN5212	TRANSISTOR-RESISTOR	1	
QR1208	UNR511300L	TRANSISTOR	1	
QR1210,11	UNR521100L	TRANSISTOR	2	
QR1301,02	UNR511200L	TRANSISTOR	2	
QR1303	UNR521100L	TRANSISTOR	1	
QR1304,05	UNR511200L	TRANSISTOR	2	
QR1306-08	UNR521100L	TRANSISTOR	3	
QR1309,10	UNR511300L	TRANSISTOR	2	
QR1801	UNR511300L	TRANSISTOR	1	
QR1802	UNR511200L	TRANSISTOR	1	
QR1803	UNR521100L	TRANSISTOR	1	
QR1804	UNR511200L	TRANSISTOR	1	
QR1805	UNR521100L	TRANSISTOR	1	
R1201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1202-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1207,08	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	2	
R1209	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1210	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1211	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1212	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1213	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1215	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1217	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1220,21	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1222	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1223	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1224	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1225	ERJ3RBD513	M.RESISTOR CH 1/16W 51K	1	
R1227,28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1229	VRE0222J33M	M.RESISTOR	1	
R1230	VRE0222J10M	M.RESISTOR	1	
R1231,32	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R1233,34	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	2	
R1235	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1236,37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1238,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1240	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1241	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1243	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1244	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R1248	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1249	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1252	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1307,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R1309-12	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1313,14	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R1315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1316	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1317	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1318	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1322	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1323	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1324,25	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1326	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1327-29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1330	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1331	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1332,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1334	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1335	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1336	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1338	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1339,40	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1341	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1342	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1344	VRE0202H18	M.RESISTOR CH 0.18	1	
R1345,46	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1347	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1348	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1349	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1350	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1351	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1352	VRE0202HR10	M.RESISTOR CH 1	1	
R1355	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1357,58	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1359	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1360	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1364,65	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1366	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1368	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1371	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1372	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1373	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1374,75	ERJ6RBD911	M.RESISTOR CH 1/10W 910	2	
R1376	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R1377	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	
R1378,79	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1380	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R1381	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1382	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1	
R1383	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1384,85	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1386,87	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1388	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1390	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1392	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1393	ERJ6RBD751	M.RESISTOR CH 1/10W 750	1	
R1394	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1395	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R1403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1404	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1407,08	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R1409,10	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R1416	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1417,18	VRE0202H12	M.RESISTOR CH 0.12	2	
R1419,20	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1421	ERJ6RBD432	M.RESISTOR CH 1/10W 4.3K	1	
R1422	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1423,24	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1425	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1803,04	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1805,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1807-10	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1813	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1814	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1815	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1817	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1818	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1819	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1820	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1821	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1822	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1823	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1824,25	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R1828	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1829	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R1830,31	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1832	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1833	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1834	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1835	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1838,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1843	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1844	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1845	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1846	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1847	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
R1848	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1849	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1850	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
T1301	VLT0925	TRANSFORMER	1	G4ZZ00000377
⚠ TH1205	VRT0148050	THERMISTOR	1	D4ZZ00000006
TH1206	VRT0143	THERMISTOR	1	
TP1301-06	EYF6CU	TEST POINT	6	
TP1401,02	EYF6CU	TEST POINT	2	
TP1801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	EYF52BC	FUSE HOLDER	2	
	VJR1008	EARTH LUG	4	
	VSC4859	HEAT SINK (A)	1	
	XYN3+F8	SCREW	1	
	XYN3+J8	SCREW	1	
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
C1502	EEFCD0K330R	E.CAPACITOR 8V 33U	1	
C1503	ECA0JHG471B	E.CAPACITOR 6.3V 470U	1	
C1504	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C1505	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1506	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1507	EEUFC1V561S	E.CAPACITOR 35V 560U	1	
C1508	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1509	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1510,11	ECA1CHG472	E.CAPACITOR 16V 4700U	2	
C1601	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1609	ECJ2VC1H222J	C.CAPACITOR CH 50V 2200P	1	
C1613	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1614	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1616	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1620	ECJ2XC1H331J	C.CAPACITOR CH 50V 330P	1	
C1621	ECUM1H100JCN	C.CAPACITOR CH 50V 10P	1	
C1630	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1631	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1701,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1703	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1704,05	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	2	
C1706,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1708,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1710,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1712,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1714,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1718,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1720,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1722	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1801,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1803	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1804,05	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C1806,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1808,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1810,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1812,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1814,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1816,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C1818,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1820,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1822	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
D1501	MA3051-H	DIODE	1	
D1502,03	MA115	DIODE	2	
D1504	MA3270-M	DIODE	1	
D1505	NSQ03A04	DIODE	1	B0JCPE000013
D1506	MA3062M	DIODE	1	
D1507	MA142K	DIODE	1	
D1606	MAZ82200ML	DIODE	1	
D1609	MA142WK	DIODE	1	
D1610	NSQ03A04	DIODE	1	B0JCPE000013
D1611	MA142WK	DIODE	1	
D1701	MA720	DIODE	1	
D1703,04	NSQ03A04	DIODE	2	B0JCPE000013
D1705,06	MA8056-MH	DIODE	2	
D1708	MA142WK	DIODE	1	
D1710	MA720	DIODE	1	
D1711	MA142WK	DIODE	1	
D1720,21	MA8030-H	DIODE	2	
D1803,04	NSQ03A04	DIODE	2	B0JCPE000013
D1805,06	MA8056-MH	DIODE	2	
D1807	MA142WA	DIODE	1	
D1808	MA142WK	DIODE	1	
D1809,10	MA720	DIODE	2	
D1811	MA8030-H	DIODE	1	
D1813	MA8030-H	DIODE	1	
IC1501	C0ABBA000071	IC	1	
IC1602	C0DBAKG00004	IC	1	
IC1702,03	C0DBAGH00030	IC	2	
IC1801,02	C0DBAGH00030	IC	2	
JP1501-03	VJR1008	EARTH LUG	3	
L1501	G1A220F00006	COIL 22UH	1	
L1602	G1A4R7H00002	COIL 4.7UH	1	
L1603	VLQ0859M470	COIL 47UH	1	
L1604	J0JKC0000009	FILTER	1	
L1605	J0JBC0000023	FILTER	1	
L1609	G1A4R7H00002	COIL 4.7UH	1	
L1701	G1A4R7H00002	COIL 4.7UH	1	
L1702,03	J0JBC0000023	FILTER	2	
L1704,05	J0JKC0000009	FILTER	2	
L1706,07	VLQ0859M470	COIL 47UH	2	
L1709	G1A4R7H00002	COIL 4.7UH	1	
L1712	G1A4R7H00002	COIL 4.7UH	1	
L1801	G1A4R7H00002	COIL 4.7UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804,05	J0JKC0000009	FILTER	2	
L1806,07	VLQ0859M100	COIL 10UH	2	
L1812	G1A4R7H00002	COIL 4.7UH	1	
P1501	VJP3926A024	CONNECTOR (MALE)	1	
P1502	K1KA06A00031	CONNECTOR (MALE)	1	
P1503	K1KA08A00119	CONNECTOR (MALE)	1	
Q1501	2SD601A-R	TRANSISTOR	1	
Q1502	2SC3074Y	TRANSISTOR	1	B1BADF000002
Q1503	2SB936A-Q	TRANSISTOR	1	
Q1504	2SD1819A-R	TRANSISTOR	1	
Q1602	B1DFFD000006	FET	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1701-04	B1DFFD000006	FET	4	
Q1705,06	2SD1819A-R	TRANSISTOR	2	
Q1708,09	2SD1819A-R	TRANSISTOR	2	
Q1801-04	B1DFFD000006	FET	4	
R1501	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1502,03	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1504,05	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R1506	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1507	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1508	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1509	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R1510-12	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R1513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1609	ERJL1WKJ47M	M.RESISTOR CH 1W	1	
R1619	ERJ6RED474	M.RESISTOR CH 1/10W 470K	1	
R1623	ERJ6RBD243	M.RESISTOR CH 1/10W 24K	1	
R1626	ERJ6RBD393	M.RESISTOR CH 1/10W 39K	1	
R1627	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R1628	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R1648	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1650	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
⚠ R1659	K5H312300003	FUSE	1	
R1701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1705,06	ERJL1WKJ47M	M.RESISTOR CH 1W	2	
R1707,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1711,12	ERJ6RED184	M.RESISTOR CH 1/10W 180K	2	
R1713	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1714	ERJ6RED154	M.RESISTOR CH 1/10W 150K	1	
R1715	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1716	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1717,18	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1719	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1721,22	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R1723,24	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1725	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1730,31	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R1801,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1805,06	VRE0202H22M	M.RESISTOR	2	
R1807,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1809	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1810	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1811	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1812	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1813	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1814	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1815,16	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1820,21	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
T1501	VLT0889	TRANSFORMER	1	G4ZZ00000368
		MISCELLANEOUS		
	VSC5620	SHIELD A	1	
	VMP5861	P.C.B. HOLDER ANGLE (L)	1	
	VMP5862	P.C.BOARD FIX ANGLE (R)	1	
	XTV3+6F	SCREW	2	
	VKC0295	BOARD SPACER	1	
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
P1,P2	K1KB06B00035	CONNECTOR (FEMALE)	2	
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
JP1-P6	VJR1008	EARTH LUG	6	
P101	K1KA08A00441	CONNECTOR (MALE)	1	
P103-05	K1KA08A00441	CONNECTOR (MALE)	3	
P111	VJS4232A030	CONNECTOR (FEMALE)	1	K1KB30A00003
P112	VJP3926A024	CONNECTOR (MALE)	1	
P201-05	VJS4064N160E	CONNECTOR (FEMALE)	5	K1KAG0A00006
P206	VJS4064K140E	CONNECTOR (FEMALE)	1	K1KAE0A00007
P301,02	VJS3600F030K	CONNECTOR (FEMALE)	2	
P303	VJS3406D020	CONNECTOR (FEMALE)	1	K1MN20B00029
P401,02	K1MN40A00007	CONNECTOR	2	
P403	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
		MISCELLANEOUS		
	VKC0295	BOARD SPACER	2	
	VEE1A29	SHIELD CABLE	1	
	VJF0300	A/C HEAD BINDER	1	
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
C1-C3	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	3	F1J1H121A025
C4,C5	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	F1J1H101A025
C6-C8	F1L1A4760003	C.CAPACITOR CH 16V 47U	3	
C9-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C13	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C14,15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C16	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C18	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C100	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C101-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C200	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
D1-D5	MA3X15300L	DIODE	5	
D200-04	LN38GCPP	LED	5	
DP100	VSL0489	DISPLAY	1	A2BA00000191
IC1	C2CBKJ000078	IC	1	
IC2	TL7705CPSB	IC	1	C0EBS0000002
IC3	C0JBAB000350	IC	1	
IC100,01	MN12511S	IC	2	
ID0	VVVSI4330A	SOFTWARE	1	DOWNLOAD ONLY
J1	VJJ0571	JACK	1	
L1,L2	G1C101K00022	COIL 100UH	2	
P1	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
P2	K1KA03A00017	CONNECTOR (MALE)	1	
P3	K1KA06A00031	CONNECTOR (MALE)	1	
P200	VJS4243B018	CONNECTOR (FEMALE)	1	K1MN18B00032
Q100-06	2SB710A-R	TRANSISTOR	7	
Q200-11	2SD0601ARL	TRANSISTOR	12	
QR100-06	MUN2213	TRANSISTOR-RESISTOR	7	
R3	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
⚠ R4	K5H1023A0001	FUSE	1	
R5	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R6,R7	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R8,R9	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R11	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	D0GD105JA003
R12,13	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R14-17	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R18,19	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R20-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	3	
R23	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R24	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R25	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R107	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R108	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R109	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R110	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R111	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R112	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R113	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R114	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R115	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R116	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R117	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R118	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R119	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R120	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R121-27	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	7	
R200-02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R203	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R204,05	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R206	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R207	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R208-10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R211	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R212	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R213,14	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R215	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R216	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R217,18	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R219	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R220	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R221,22	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R224	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R225	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R226	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R227,28	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R229	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R230	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R231	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
SW203	VSS0249	SWITCH	1	K0D113A00050
SW205	VSS0250	SWITCH	1	K0D112A00104
SW206	VSS0249	SWITCH	1	K0D113A00050
SW65102	EVQQS307K	SWITCH	1	
SW65105	EVQQS307K	SWITCH	1	
SW65107,08	EVQQS307K	SWITCH	2	
VR1	EVJYM0F15C23	V.RESISTOR 2K	1	
X1	H0J100500016	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF1360	DISPLAY HOLDER	1	
	VGQ0458	SPACER	5	
	QJT0015	GND TERMINAL	1	
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
C1,C2	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3,C4	EEFCD0K330R	E.CAPACITOR 8V 33U	2	
C5,C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C7	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C9,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C12-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C17,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C19	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C21,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C23,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C25	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C26,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C28	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
D1	MA3062M	DIODE	1	
D3,D4	MA3062M	DIODE	2	
D5	MA716	DIODE	1	
D6	MA142K	DIODE	1	
D7	MA3062M	DIODE	1	
IC1	C0CBADD00003	IC	1	
IC2	XC62DN5002M	IC	1	
J1-J3	K1QBB2AA0005	CONNECTOR	3	
J4	K2HA205A0004	JACK	1	
J5	K1QBB2AA0005	CONNECTOR	1	
L1,L2	VLP0183	COIL	2	J0JKC0000007
L3-L8	VLP0145	COIL	6	
P1,P2	VJS3421A020	CONNECTOR (FEMALE)	2	K1MN20A00027
P3	VJP3414A009	CONNECTOR (MALE)	1	K1FB109A0016
Q1	XN4501	TRANSISTOR-RESISTOR	1	
Q3,Q4	XN4501	TRANSISTOR-RESISTOR	2	
Q5	2SA1532-B	TRANSISTOR	1	
Q6	XN4501	TRANSISTOR-RESISTOR	1	
Q7	2SC2295	TRANSISTOR	1	
R1	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3,R4	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R5	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7,R8	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R9	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R11,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R13,14	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R17-20	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	4	
R21	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R22	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R23	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R27	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R31	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R32	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R35	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R39	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40,41	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R42	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R43	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R44	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
SW1	VSS0307	SWITCH	1	K0D122A00105
		MISCELLANEOUS		
	VMP5301	D SUB HOLDER ANGLE	1	
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
C201-04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C229-32	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J201,02	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J203,04	K1AB103A0007	CONNECTOR (MALE)	2	
J205,06	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J207,08	K1AB103A0007	CONNECTOR (MALE)	2	
L201	VLP0145	COIL	1	
L203	VLP0145	COIL	1	
L205,06	VLP0145	COIL	2	
L208	VLP0145	COIL	1	
L210	VLP0145	COIL	1	
L212	VLP0145	COIL	1	
L214,15	VLP0145	COIL	2	
L217	VLP0145	COIL	1	
L219,20	VLP0145	COIL	2	
L222	VLP0145	COIL	1	
L224,25	VLP0145	COIL	2	
L227	VLP0145	COIL	1	
L229-31	VLP0145	COIL	3	
L233	VLP0145	COIL	1	
L235,36	VLP0145	COIL	2	
L238	VLP0145	COIL	1	
L240	VLP0145	COIL	1	
P201	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
P301	VJS2582B018	CONNECTOR (FEMALE)	1	K1MN18B00028
R301,02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R303	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R304	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R305	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R306	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R307	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R308	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R309	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R310	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R311	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R312	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R313	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R314	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R315	ERJ14YJ181	M.RESISTOR CH 1/4W 180	1	
SW301	VST0331	SWITCH	1	K0C112B00006
SW302	VSP0853A000	SWITCH	1	K0F111A00235
SW303	VSP0792	SWITCH	1	K0F111A00280
SW304	K0F111A00426	SWITCH	1	
SW305	VSP0791	SWITCH	1	K0F111A00279
SW306	VSP0790	SWITCH	1	K0F111A00278
SW307	VSP0793	SWITCH	1	K0F111A00281
SW308	VSP0789	SWITCH	1	K0F111A00283
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
P65401	VJP1610T	CONNECTOR (MALE)	1	K1KA06B00059
VR65401,02	EVU023003B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E69	REC VR CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
P65301	VJP1611T	CONNECTOR (MALE)	1	K1KA07B00032
VR65301,02	EVU023006B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E70	PB VR CABLE	1	
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
C66000	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66001	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C66002	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66003	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
IC66000	TL7705CPSB	IC	1	C0EBS0000002
P66001,02	VJS3537A024G	CONNECTOR (FEMALE)	2	K1MN24A00027
P66003	VJP1599T	CONNECTOR (MALE)	1	K1KA06A00125
P66004	VJP1600T	CONNECTOR (MALE)	1	K1KA07A00066
P66005	K1KA03A00017	CONNECTOR (MALE)	1	
R66000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R66001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C9,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C11,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C17,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C19,20	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C21-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C28,29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C30	F1J0J475A006	C.CAPACITOR CH6.3V 4.7U	1	
C100	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C101-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C109-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C112-15	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C116,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C209,10	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C211	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C218	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C219,20	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C222	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C304	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C305,06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C307	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C308-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C315,16	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C317-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C322	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C323	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C324,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C326,27	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C328	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C350-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C400,01	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C403-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C407,08	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C409	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C410,11	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C412-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C417,18	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C450,51	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C452,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C454,55	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C456-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C700-02	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	F1J1H103A010
C703	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C704	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C705	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C706	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C707	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C708,09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C710	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C711,12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C713-15	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C716	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C717,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C719	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C720	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C721	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C722,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C724	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C725	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C726,27	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C800-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C807	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C808	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C809	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C810	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C811	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C812-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C815	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C816	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C817,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C819,20	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C900	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C901	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C902	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C903	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C904,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C906	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C907	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C908	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C909	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C910	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C911	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C5001,02	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C5003,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5005	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5006	EEVHB1E470P	E.CAPACITOR 25V 47U	1	
C5007,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5009,10	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5011,12	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C5013,14	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5015,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6001	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6002	VCE0180	E.CAPACITOR 25V 100U	1	F2G1E1010003
C6003,04	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C6005	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6006,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C6008,09	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C6010-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6013	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C6015	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6016	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6017	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6018-20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6021,22	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D8	MA147	DIODE	1	
D300-02	MA147	DIODE	3	
D403,04	MA142K	DIODE	2	
D405-07	MA147	DIODE	3	
D408	MA142K	DIODE	1	
D450,51	MA142K	DIODE	2	
D800	MA142WK	DIODE	1	
D801	MA142K	DIODE	1	
D802-05	MA142WK	DIODE	4	
D806	MA147	DIODE	1	
D807,08	MA142WK	DIODE	2	
D809	MA142WA	DIODE	1	
D810	MA8051-M	DIODE	1	
D811	MA8082-H	DIODE	1	
D812	MA142WK	DIODE	1	
D813	MA142K	DIODE	1	
D814	MAZ80330HL	DIODE	1	
D815	MA8039-H	DIODE	1	MAZ80390HL
D5001,02	MA2J72800L	DIODE	2	
D5003,04	MA2Q73600L	DIODE	2	
D6001,02	MA2J72800L	DIODE	2	
D6003,04	MA2Q73600L	DIODE	2	
D6005	MA142K	DIODE	1	
IC1	TC4052BF	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	C0JBAZ000994	IC	1	
IC4	TC4052BF	IC	1	
IC5-C8	C0ABBB000179	IC	4	
IC9,10	C0ABBB000184	IC	2	
IC11,12	C0BBBA000044	IC	2	
IC13	C0JBAZ000994	IC	1	
IC17	C0ABBB000184	IC	1	
IC20	C0BBBA000044	IC	1	
IC23	C0JBAB000397	IC	1	
IC24	C0JBAZ001121	IC	1	
IC26-28	C0JBAZ001121	IC	3	
IC29	C0JBAZ001003	IC	1	
IC33-35	C0ABBB000179	IC	3	
IC36,37	C0ABBA000075	IC	2	
IC38	C0BBBA000044	IC	1	
IC41	C0BBBA000044	IC	1	
IC42	C0ABBB000184	IC	1	
IC46	C0JBAF000487	IC	1	
IC47,48	C0JBAM000111	IC	2	
IC49	C0JBAZ001120	IC	1	
IC50	C0JBAM000111	IC	1	
IC51	C0JBAZ001120	IC	1	
IC52	C0JBAM000111	IC	1	
IC53	C0ABBA000075	IC	1	
IC54	C0BBBA000044	IC	1	
IC302	MN1030F04KHF	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC350	X9288L7T144	IC	1	
IC351	X9144L7T100	IC	1	
IC400	M62370GP	IC	1	C0FBBD000082
IC700	AN3890FBS	IC	1	
IC701	TB6519F	IC	1	C0GBY0000011
IC900	C0CBABD00005	IC	1	
IC5001,02	MN13821-S	IC	2	
IC6001	TL1451CNS	IC	1	C0DBAMA00001
ID0	VVVSI4281A	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4289A	SOFTWARE	1	DOWNLOAD ONLY
J900-02	K4CD01000007	CABLE TERMINAL	3	
L900-04	VLF1151A132	COIL	5	
L5001,02	VLQ0407120M	COIL 12UH	2	G0A120HA0007
L5003,04	VLQ0650M151	COIL 150UH	2	G1C151MA0016
L6001,02	VLQ0650M151	COIL 150UH	2	G1C151MA0016
P300	VJS3791B020	CONNECTOR (FEMALE)	1	
P350	K1KA08B00147	CONNECTOR (FEMALE)	1	
P900,01	K1MN40A00007	CONNECTOR	2	
P902	K1KA08A00119	CONNECTOR (MALE)	1	
P903	K1KBA0A00084	CONNECTOR (FEMALE)	1	
Q450,51	2SD601A	TRANSISTOR	2	
Q700	PU3210	TRANSISTOR	1	
Q701	PU3110	TRANSISTOR	1	
Q702	2SB1073-R	TRANSISTOR	1	
Q703	2SD1119-R	TRANSISTOR	1	
Q704	2SB1073-R	TRANSISTOR	1	
Q705	2SD1119-R	TRANSISTOR	1	
Q706	2SB1073-R	TRANSISTOR	1	
Q707	2SD1119-R	TRANSISTOR	1	
Q800	2SB710A	TRANSISTOR	1	
Q801,02	2SB1073-R	TRANSISTOR	2	
Q5001,02	2SD1819A-R	TRANSISTOR	2	
Q5003	2SB1174-Q	TRANSISTOR	1	2SB11740Q
Q5004	2SB1073	TRANSISTOR	1	
Q5005,06	2SD1819A-R	TRANSISTOR	2	
Q6001,02	2SB1174-Q	TRANSISTOR	2	2SB11740Q
QR1-R4	UNR521300L	TRANSISTOR	4	
QR9	UNR521300L	TRANSISTOR	1	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UN5217	TRANSISTOR-RESISTOR	1	
QR702	UNR521300L	TRANSISTOR	1	
QR703	UNR521400L	TRANSISTOR-RESISTOR	1	
QR800	UNR521400L	TRANSISTOR-RESISTOR	1	
QR801	UNR511300L	TRANSISTOR	1	
QR802	UNR521400L	TRANSISTOR-RESISTOR	1	
QR803	UNR521300L	TRANSISTOR	1	
QR806	UNR521300L	TRANSISTOR	1	
QR807,08	UNR521400L	TRANSISTOR-RESISTOR	2	
QR809	UNR521300L	TRANSISTOR	1	
QR810	UNR511300L	TRANSISTOR	1	
QR811-15	UNR521400L	TRANSISTOR-RESISTOR	5	
QR816	UNR511300L	TRANSISTOR	1	
QR5001,02	UNR521300L	TRANSISTOR	2	
QR6001,02	UNR511100L	TRANSISTOR	2	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R8	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R9	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R10	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R11	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R15	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R17	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R22	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R23	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R24	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R25	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R28	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R29	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R30	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R35	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R40,41	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R42,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R46,47	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R51	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R54	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R55	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R56	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R57,58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R101	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R102	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R103	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R104	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R105	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R106	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R108	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R109	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R110	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R111	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R112	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R113	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R114	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R115	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R116-19	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R120,21	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R122-25	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R126-29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R130-33	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R134-37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R138	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R139	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R140	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R141	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R142,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R144,45	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R146-49	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R201	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R203	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R204	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R209	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R210	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R211	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R212	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R213,14	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R218,19	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R220,21	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R226,27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R234,35	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R238,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R240,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R242,43	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R244,45	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R300	EXBV8V470J	COMBI.R-R 47	1	
R301,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R303	EXBV8V470J	COMBI.R-R 47	1	
R304-06	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R307-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R310	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R311	EXBV8V473J	COMBI.R-R 47K	1	
R312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R313	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R315,16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R317	EXBV8V101J	COMBI.R-R 100	1	
R318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R319	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R320	EXBV8V470J	COMBI.R-R 47	1	
R321	EXBV8V473J	COMBI.R-R 47K	1	
R322,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R324	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R326	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R329	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R330-35	EXBV8V470J	COMBI.R-R 47	6	
R336	EXBV8V473J	COMBI.R-R 47K	1	
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R343	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R350	EXBV8V102J	COMBI.R-R 1K	1	
R351	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R352	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R357	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R358	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R359,60	EXBV8V470J	COMBI.R-R 47	2	
R361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R362	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R366,67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R368	EXBV8V470J	COMBI.R-R 47	1	
R369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R370	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R400,01	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R402,03	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R407-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R410,11	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R412,13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R414,15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R417	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R419	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R420,21	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R422	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R423	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R424-26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R429	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R430	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R450,51	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R452	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R453,54	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R455	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R456-59	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R460,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R700-02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R703	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R704	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R705	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R706,07	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R708	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R709	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R710,11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R712	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R713	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R714	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R716-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R719	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R720-22	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R800	EXBV8V473J	COMBI.R-R 47K	1	
R801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R802	EXBV8V473J	COMBI.R-R 47K	1	
R803	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R804	EXBV8V473J	COMBI.R-R 47K	1	
R805	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R806	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R807	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R808	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R809	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R811	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R812-15	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R818	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R819	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R820	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R823	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R824	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R825	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R826	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R829-33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R834-36	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R837,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R839	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R840	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R841	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R842	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R843,44	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R845,46	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R847,48	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R900	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R907-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5002	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5003	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5004	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5005-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5009	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R5010	K5H2523A0001	FUSE	1	
R5013,14	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R5015,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5017,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5019,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5021,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5023,24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5025,26	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R5027-30	ERJ12YJ222	M.RESISTOR CH 1/2W 2.2K	4	
R5031,32	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R6001	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R6003,04	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R6005,06	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R6007,08	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R6009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6010	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6011	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6012	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6013	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6014	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6017,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6022,23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6025	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6026	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6027,28	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6029,30	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R6031	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6032	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6033	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6034,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
TG450	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP104-07	EYF6CU	TEST POINT	4	
TP204,05	EYF6CU	TEST POINT	2	
TP350-53	EYF6CU	TEST POINT	4	
TP371	EYF6CU	TEST POINT	1	
TP409	EYF6CU	TEST POINT	1	
TP800,01	EYF6CU	TEST POINT	2	
TP900	EYF6CU	TEST POINT	1	
X300	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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ELECTRICAL REPLACEMENT PARTS LIST
FOR AJ-HD1200AE/AMC

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
■ E10	VEP81203E	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203E
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83624B	REC PB P.C.BOARD	1	(RTL)
C1,C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3,C4	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C5,C6	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C7,C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C9,10	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C14-17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	4	
C18-26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C27-31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C50-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	24	
C100-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	15	
C150-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C166,67	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	2	
C168,69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C170	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C171	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C174	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C175-84	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C200	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C201	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C202	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C203-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C250,51	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C252	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C255	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C256	ECUX1C184KBN	C.CAPACITOR CH 16V 0.18U	1	
C257-69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C290	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C300,01	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C302-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C370-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C374	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C375,76	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C377	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C378	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C379	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C380-92	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	13	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C452	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C457-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C500-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C511	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C551	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C552-57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C558	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C559	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C561-81	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	21	
C650,51	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C652	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C653	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C654-58	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C659	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C660,61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C662,63	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C664,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C670	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D150,51	MA3J14300L	DIODE	2	
D650	LN1271RAL	DIODE	1	
FL500,01	EZAST33AAAJ	FILTER	2	
IC1,C2	C0CBABD00005	IC	2	
IC3	DS90CR217MTD	IC	1	C0ZBZ0000466

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4	DS90CR218MTD	IC	1	C0ZBZ0000468
IC5	C0CBAAD00023	IC	1	
IC50,51	C3HBKG000002	IC	2	
IC52	C3HBKZ000001	IC	1	
IC53	C1ZBZ0002371	IC	1	
IC100	C1AB00001751	IC	1	
IC101,02	C3HBKZ000001	IC	2	
IC150	MB87J1460	IC	1	C1AB00001232
IC151,52	C3ABQG000045	IC	2	
IC153	C0JBAZ000279	IC	1	
IC154	C0CBBDB00004	IC	1	
IC155	C0CBADD00003	IC	1	
IC156	C0ABEB000017	IC	1	
IC157,58	C0JBAZ001958	IC	2	
IC200	L7A1644	IC	1	C1AA00000231
IC201,02	MN47V07AF	IC	2	
IC250,51	MN673797A	IC	2	
IC252	BH7086KV	IC	1	C1ZBZ0001649
IC253	C0JBAB000422	IC	1	
IC254	C0JBAB000350	IC	1	
IC300	C1ZBZ0002371	IC	1	
IC370	C0CBABD00005	IC	1	
IC371	C3ABRG000011	IC	1	
IC372	H1ZYYYYB0004	IC	1	
IC373	C1AB00001590	IC	1	
IC450	C1ZBZ0002212	IC	1	
IC500	C1AB00001589	IC	1	
IC550	C0CBABD00005	IC	1	
IC551	C1ZBZ0002212	IC	1	
IC552	DS90LV047AC	IC	1	
IC553,54	DS90LV048AC	IC	2	
IC555	XC62FP3202P	IC	1	
IC556	C0CBABD00005	IC	1	
IC557	C0JBAZ002080	IC	1	
IC558-60	DS90LV048AC	IC	3	
IC561	DS90LV047AC	IC	1	
IC562	C0JBAZ001958	IC	1	
IC652	C2DBML000004	IC	1	
IC660	C3FBLD000046	IC	1	
ID0	VVVSI4279B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4284D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4285B	SOFTWARE	1	DOWNLOAD ONLY
ID3	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L6	VLP0183	COIL	6	J0JKC0000007
L250	VLQ0319K150	COIL 15UH	1	G1C150KA0002
L650,51	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	
P300	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
P650	K1KA10A00303	CONNECTOR (MALE)	1	
P651	VJS3791B020	CONNECTOR (FEMALE)	1	
QR650	UNR521300L	TRANSISTOR	1	
R1-R4	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R5,R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8	EXBV8V102J	COMBI.R-R 1K	1	
R14	EXBV8V101J	COMBI.R-R 100	1	
R50-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R54-61	D1H833040002	COMBI.R-R 33	8	
R62,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66	D1H833040002	COMBI.R-R 33	1	
R67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R68,69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R71-73	D1H833040002	COMBI.R-R 33	3	
R76	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R77-82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	6	
R84-86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R87-89	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R90-93	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R104-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R110-15	D1H833040002	COMBI.R-R 33	6	
R116,17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R150	D1H833040002	COMBI.R-R 33	1	
R151-55	EXBV8V102J	COMBI.R-R 1K	5	
R156,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R158,59	D1H833040002	COMBI.R-R 33	2	
R160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R161	D1H833040002	COMBI.R-R 33	1	
R162,63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R164,65	EXBV8V101J	COMBI.R-R 100	2	
R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R167	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R168	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R169	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R170-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R173	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R174	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R175,76	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R177	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R178,79	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R180	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R181	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R182	VLP0173	COIL	1	J0JGC0000015
R183-86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R200	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R201	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R204	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R205	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R206	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R207,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R209,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R211	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R215	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R250,51	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R252-55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R256	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R258	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R259	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R260	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R261	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R262	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R263	D1H833040002	COMBI.R-R 33	1	
R264	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R265	D1H833040002	COMBI.R-R 33	1	
R267	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R268	D1H833040002	COMBI.R-R 33	1	
R269,70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R271,72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R273,74	D1H833040002	COMBI.R-R 33	2	
R275,76	EXBV8V101J	COMBI.R-R 100	2	
R277-81	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R282,83	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R284	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R285	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R286,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R288,89	D1H833040002	COMBI.R-R 33	2	
R290,91	EXBV8V101J	COMBI.R-R 100	2	
R292	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R293-96	EXBV8V102J	COMBI.R-R 1K	4	
R300	EXBV8V101J	COMBI.R-R 100	1	
R301,02	D1H833040002	COMBI.R-R 33	2	
R303	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R304,05	D1H833040002	COMBI.R-R 33	2	
R306	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R307	EXBV8V101J	COMBI.R-R 100	1	
R308,09	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R310,11	D1H833040002	COMBI.R-R 33	2	
R328-32	D1H833040002	COMBI.R-R 33	5	
R333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R334-37	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R338-41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R354-57	D1H833040002	COMBI.R-R 33	4	
R358	EXBV8V102J	COMBI.R-R 1K	1	
R359-62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R363-65	D1H833040002	COMBI.R-R 33	3	
R366-69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R370	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R372	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R373-75	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R376	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R377,78	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R381	EXBV8V473J	COMBI.R-R 47K	1	
R382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R383	EXBV8V101J	COMBI.R-R 100	1	
R384	EXBV8V473J	COMBI.R-R 47K	1	
R385	EXBV8V102J	COMBI.R-R 1K	1	
R386	EXBV8V473J	COMBI.R-R 47K	1	
R387	EXBV8V102J	COMBI.R-R 1K	1	
R388	EXBV8V473J	COMBI.R-R 47K	1	
R389	EXBV8V102J	COMBI.R-R 1K	1	
R390	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R391,92	D1H833040002	COMBI.R-R 33	2	
R393	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R394	EXBV8V101J	COMBI.R-R 100	1	
R396-00	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R401-04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R405	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R406	EXBV8V102J	COMBI.R-R 1K	1	
R407-11	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R412-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R416-21	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	6	
R422-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R426	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R428,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R452	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R503	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R554	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R555,56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R562,63	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R566	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R567	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R569	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R571	VLP0173	COIL	1	J0JGC0000015
R575	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R577-79	D1H833040002	COMBI.R-R 33	3	
R580-89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
R590,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R592-01	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	10	
R603,04	D1H833040002	COMBI.R-R 33	2	
R608	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R611	VLP0173	COIL	1	J0JGC0000015
R612	EXBV8V102J	COMBI.R-R 1K	1	
R613,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R615,16	D1H833040002	COMBI.R-R 33	2	
R617	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R619	D1H833040002	COMBI.R-R 33	1	
R620,21	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R622,23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R624	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R625	D1H833040002	COMBI.R-R 33	1	
R626	EXBV8V102J	COMBI.R-R 1K	1	
R627	D1H833040002	COMBI.R-R 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R628-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R631	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R634,35	D1H833040002	COMBI.R-R 33	2	
R636,37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R640	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R652	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R653	D1H833040002	COMBI.R-R 33	1	
R654	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R655	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R656	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R657	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R658	D1H833040002	COMBI.R-R 33	1	
R659	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R660,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R662	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R663	D1H833040002	COMBI.R-R 33	1	
R664	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R665	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R666	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R667	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R668	D1H833040002	COMBI.R-R 33	1	
R670	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R671	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R672,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R674	EXBV8V102J	COMBI.R-R 1K	1	
R676	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R678,79	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R680	EXBV8V473J	COMBI.R-R 47K	1	
R681,82	D1H833040002	COMBI.R-R 33	2	
R684	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
TG1-G7	EYF6CU	TEST POINT	7	
TP50,51	EYF6CU	TEST POINT	2	
TP250,51	EYF6CU	TEST POINT	2	
TP302	EYF6CU	TEST POINT	1	
TP304	EYF6CU	TEST POINT	1	
TP370,71	EYF6CU	TEST POINT	2	
TP378	EYF6CU	TEST POINT	1	
TP381	EYF6CU	TEST POINT	1	
TP450	EYF6CU	TEST POINT	1	
TP507,08	EYF6CU	TEST POINT	2	
X150	VSX0907	CRYSTAL OSCILLATOR	1	H4G1805A0003
X550	H1A3715B0001	CRYSTAL OSCILLATOR	1	
X551	H1A3705B0001	CRYSTAL OSCILLATOR	1	
X650	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E2	VEP83625B	V OUT SYS P.C.BOARD	1	(RTL)
C1-C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C6-13	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	8	
C30,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C32	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C34	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C35-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C54	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C55,56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C57	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C150,51	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C152-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C155,56	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C157-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C230-47	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	18	
C300-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C304,05	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C306-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C309	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C310	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C311-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C320-22	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	3	
C327	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C329	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C331	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C332-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C341-43	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	3	
C344-46	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C347-51	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	5	
C352-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C355	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C356	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C357	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C358	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C359	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C360	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C361	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C362	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C363	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C364,65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C430,31	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C432,33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C434	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C435-39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C440	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C441	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C442	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C443	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C444	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C445	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C446	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C447	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C449	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C450-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C454	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C455	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C500,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C502,03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C504	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C506,07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C508	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C509,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C511	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C512	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C513,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C518	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C519	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C520,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C522,23	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C524-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C535	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C600-02	VCK0152	C.CAPACITOR CH 16V 10U	3	F1L1C1060016
C603-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C607	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C608-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C615	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C616	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C617-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C621	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C622	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025
C623	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C625	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C626	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C627	VCK0152	C.CAPACITOR CH 16V 10U	1	F1L1C1060016
C628	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C629	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C630-33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C634	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C635	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D430	MA142K	DIODE	1	
D500-03	MA3J14300L	DIODE	4	
D505-07	MA3J14300L	DIODE	3	
D508	LN1271RAL	DIODE	1	
D509	MA3J14300L	DIODE	1	
D600-05	MA3J14300L	DIODE	6	
FL300-02	J0E3005B0002	FILTER	3	
FL430	VLF1354	FILTER	1	
IC30	C1ZBZ0002319	IC	1	
IC31	IDTLVC16245F	IC	1	
IC33	IDTLVC16245F	IC	1	
IC36	C0JBAZ001880	IC	1	
IC37	C0CBABD00005	IC	1	
IC38	DS90CR218MTD	IC	1	C0ZBZ0000468
IC39	DS90LV048AC	IC	1	
IC40,41	C3ABQG000045	IC	2	
IC42	C0JBAZ001880	IC	1	
IC45	C3ABQG000045	IC	1	
IC150	C1ZBZ0002432	IC	1	
IC154	DS90CR217MTD	IC	1	C0ZBZ0000466
IC230	C1ZBZ0002432	IC	1	
IC232,33	C3ABRG000011	IC	2	
IC236	C1AB00001228	IC	1	
IC300,01	C0CBAAD00023	IC	2	
IC302	C1AB00001858	IC	1	
IC303-05	AD8055AR	IC	3	C0ABGB000013
IC306	LT1129CS8	IC	1	
IC307	LT1175CS8	IC	1	
IC308,09	TC7W53FU	IC	2	
IC310	ADV7128KR80	IC	1	
IC311	AD589JR	IC	1	
IC312	LT1129CS8	IC	1	
IC313	AD8184AR	IC	1	
IC430	C0JBAA000175	IC	1	
IC431	ADV7128KR80	IC	1	
IC432	AD589JR	IC	1	
IC433	AD8055AR	IC	1	C0ABGB000013
IC434	NJM2534V	IC	1	
IC500	C2DBML000004	IC	1	
IC501	C0EBE0000213	IC	1	
IC502	C0JBAA000174	IC	1	
IC503	C0JBAZ000851	IC	1	
IC504	C0JBAB000350	IC	1	
IC600	C3FBMD000050	IC	1	
IC601	TA75W558FU	IC	1	C0ABBA000042
IC602	C0JBAZ001713	IC	1	
IC604,05	TC7WH125FU	IC	2	
IC606	C0BBBB000006	IC	1	
IC610	C0CBADD00003	IC	1	
IC611	C1AB00000936	IC	1	
IC613	TC7WH125FU	IC	1	
IC614	C0JBAZ001121	IC	1	
IC617	TC7WH125FU	IC	1	
IC619	C0JBAZ001121	IC	1	
IC621	NJM2068MD	IC	1	C0ABBB000031
IC623	C0CBADD00003	IC	1	
IC628	SN75C1168NS	IC	1	
IC629	XC62DN5002M	IC	1	
ID0	VVVSI4280B	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4286D	SOFTWARE	1	DOWNLOAD ONLY
ID2	VVVSI4233A	SOFTWARE	1	DOWNLOAD ONLY
L1-L5	VLP0183	COIL	5	J0JKC0000007

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L311-14	VLQ0319K1R0	COIL 1.0UH	4	
L430	VLQ0163J180	COIL 18UH	1	G1C180J00001
L431	VLQ0163J120	COIL 12UH	1	G1C120J00001
L500,01	VLQ0163J470	COIL 47UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P150	VJS4064N160E	CONNECTOR (FEMALE)	1	K1KAG0A00006
P500	K1KA10A00303	CONNECTOR (MALE)	1	
P501	VJS3791B020	CONNECTOR (FEMALE)	1	
Q300-02	2SA1532-B	TRANSISTOR	3	
Q303-05	2SD601A-R	TRANSISTOR	3	
Q306-08	XN4501	TRANSISTOR-RESISTOR	3	
Q430	2SA1532-B	TRANSISTOR	1	
Q431	2SD601A-R	TRANSISTOR	1	
Q432	XN4501	TRANSISTOR-RESISTOR	1	
Q433-36	2SA1532-B	TRANSISTOR	4	
Q437	2SD601A-R	TRANSISTOR	1	
QR500-03	UNR521300L	TRANSISTOR	4	
R1	EXBV8V102J	COMBI.R-R 1K	1	
R30-35	D1H833040002	COMBI.R-R 33	6	
R36-46	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	11	
R47,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R49,50	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R52-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R57	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R59,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R62,63	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R64	D1H833040002	COMBI.R-R 33	1	
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66,67	D1H833040002	COMBI.R-R 33	2	
R68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R69-72	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R73-76	D1H833040002	COMBI.R-R 33	4	
R77	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R78,79	D1H833040002	COMBI.R-R 33	2	
R80,81	EXBV8V102J	COMBI.R-R 1K	2	
R82	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R83,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R85,86	D1H833040002	COMBI.R-R 33	2	
R87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R90-93	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R94	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R95,96	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R99	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R101,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R103,04	D1H833040002	COMBI.R-R 33	2	
R106-09	D1H833040002	COMBI.R-R 33	4	
R110	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R120	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R150-52	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R153	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R154-56	D1H833040002	COMBI.R-R 33	3	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159-63	D1H833040002	COMBI.R-R 33	5	
R164	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R165-69	D1H833040002	COMBI.R-R 33	5	
R170	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R177-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R185,86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R187	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R188	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R190-92	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R193	D1H833040002	COMBI.R-R 33	1	
R230-32	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R233	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R234,35	D1H833040002	COMBI.R-R 33	2	
R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R237,38	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R239,40	D1H833040002	COMBI.R-R 33	2	
R241,42	EXBV8V102J	COMBI.R-R 1K	2	
R243-47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R248,49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R251	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R252	D1H833040002	COMBI.R-R 33	1	
R253-57	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R258	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R301-04	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R306,07	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R310,11	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R312	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R313,14	ERJ3RED100	M.RESISTOR CH 1/16W 10	2	
R315-17	ERJ3RBD301	M.RESISTOR CH 1/16W 300	3	
R321-23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R324-26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R327	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R328,29	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R330	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R332	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R333	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R334	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R335-38	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R339-41	ERJ3RBD241	M.RESISTOR CH 1/16W 240	3	
R342-44	ERJ3RED910	M.RESISTOR CH 1/16W 91	3	
R345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R347	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R349	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R351	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R352	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R353	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R354	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R355	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R356	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R357	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R358	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R359	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R360-62	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	3	
R375-77	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R378,79	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R380	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R383	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R384	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R385	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R387	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R430,31	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R432	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R433	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R435	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R436,37	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R438	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R439	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R440	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R441	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R442	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R444	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R445	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R446	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R447	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R448	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R449	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R450	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R451	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R454	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R460	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R461	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R462,63	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R464	ERJ3RED300	M.RESISTOR CH 1/16W 30	1	
R465	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R466	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R469	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R470	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	D0GZ103J0001	M.RESISTOR CH 10K	1	
R501	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R502	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R503	D1H833040002	COMBI.R-R 33	1	
R504	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R505	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R506-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R513	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R515	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R516	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R518	D1H833040002	COMBI.R-R 33	1	
R519-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R524	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R525	D0GZ103J0001	M.RESISTOR CH 10K	1	
R526	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R528	D1H833040002	COMBI.R-R 33	1	
R529	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R530,31	D1H833040002	COMBI.R-R 33	2	
R532	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R533	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R534,35	D1H833040002	COMBI.R-R 33	2	
R537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R538	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R539	D1H833040002	COMBI.R-R 33	1	
R543-47	D1H833040002	COMBI.R-R 33	5	
R548,49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R550	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R551	EXBV8V102J	COMBI.R-R 1K	1	
R552	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R553-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R559,60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R561	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R562	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R563	EXBV8V473J	COMBI.R-R 47K	1	
R564	D1H833040002	COMBI.R-R 33	1	
R565	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R566	D1H833040002	COMBI.R-R 33	1	
R567	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R568	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R569	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R571,72	D0GZ103J0001	M.RESISTOR CH 10K	2	
R573	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R600	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R601	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R602	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R603	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R604	EXBV8V473J	COMBI.R-R 47K	1	
R605	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R606	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R607	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609,10	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R611	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R612,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R614	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R615	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R616	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R617	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R618,19	EXBV8V473J	COMBI.R-R 47K	2	
R621	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R622	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R623	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R625	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R626	D1H833040002	COMBI.R-R 33	1	
R627	EXBV8V473J	COMBI.R-R 47K	1	
R628	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R629,30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R632	D1H833040002	COMBI.R-R 33	1	
R633	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R634	EXBV8V473J	COMBI.R-R 47K	1	
R635,36	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R637	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R638	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R639	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R640	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R641	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R642	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R643	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R644	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R645	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R646	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R647	D1H833040002	COMBI.R-R 33	1	
R648	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R649	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R650	EXBV8V102J	COMBI.R-R 1K	1	
R651	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R652	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R653	EXBV8V473J	COMBI.R-R 47K	1	
R654	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R655	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R656-59	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R660-62	D1H833040002	COMBI.R-R 33	3	
R663,64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
RY1	VSY2176	RELAY	1	K6B2CDA00045
SW1	VSS0367-02B	SWITCH	1	
TG1	EYF6CU	TEST POINT	1	
VR300-07	EVM7JGA00B13	V.RESISTOR 1K	8	
VR430,31	EVM7JGA00B13	V.RESISTOR 1K	2	
X500	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E4	VEP85214B	RF/EQ P.C.BOARD	1	(RTL)
C1-C4	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C7	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C8-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C101,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C103-06	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C108	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C110-22	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	13	
C123-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C201,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C205-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C211,12	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C213,14	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C311	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C312,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C315-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C319	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C320	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C321	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C324	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C325	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C326-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C351,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C353	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C354	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C355	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C356	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C359	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C361-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C401-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C411	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C412,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C415-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C419	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C420	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C423	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C424	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C425	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C426-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C451,52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C453	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C454	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C455	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C456	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C459	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C501-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C511	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C512,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C515-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C519	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C520	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C523	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C524	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C525	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C527-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C551-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C561	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C562,63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C565-68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C569	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C570	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C571	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C572	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C573	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C574	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C575	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C577-80	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C601-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C611	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C612,13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C615-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C619	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C620	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C621	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C622	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C623	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C624	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C625	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C627-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C701	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C703-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C708-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C711	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C731	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C732	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C733-36	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C738-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C741	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C761	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	1	
C762	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C763-66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C768-70	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C771	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C801	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C802	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C803-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C806	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C807-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C819	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C820-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C826	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C827-31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C834,35	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C836	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C837,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C902	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C903-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C906	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C907-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C919	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C920-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C926	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C928	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C930,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C935	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C937,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C939,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C941,42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1001	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1003-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1006	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1007-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1019	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1020-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1026	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1028	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1030,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1035	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1037,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1102	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1103-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1106	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1107-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C1119	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1120-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1126	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1128	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1130,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1137,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1139,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1201	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1203-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1206	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C1207-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1219	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1220-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1226	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C1228	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1230,31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1235	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1237,38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1239,40	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1301-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C1311-13	F1L1A2260013	C.CAPACITOR CH 10V 22U	3	
C1314	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C1315	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1317-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1321	F1L1A2260013	C.CAPACITOR CH 10V 22U	1	
C1323,24	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C1325	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1327-29	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C1330	EEFCD0J330R	E.CAPACITOR 6.3V 33U	1	
C1331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D1	MA3J14300L	DIODE	1	
D301	MA3S132E0L	DIODE	1	
D401	MA3S132E0L	DIODE	1	
D501	MA3S132E0L	DIODE	1	
D551	MA3S132E0L	DIODE	1	
D601	MA3S132E0L	DIODE	1	
D1301	MA142K	DIODE	1	
D1302	MA29W-A	DIODE	1	MA2C029WA
IC1	C0JBAA000102	IC	1	
IC2	C0JBAZ000525	IC	1	
IC3	TVHC244FT	IC	1	
IC4,C5	TVHC164FT	IC	2	
IC6	TVHC126FT	IC	1	
IC7	TC74VHC32F	IC	1	C0JBAE000081
IC8	C0JBAB000196	IC	1	
IC9	TVHC00FT	IC	1	
IC101,02	C0JBAS000075	IC	2	
IC103	C0ABEB000023	IC	1	
IC104	M62370GP	IC	1	C0FBBD000082
IC105-07	C0ABFB000012	IC	3	
IC201	TVHC126FT	IC	1	
IC202	DS90LV048AC	IC	1	
IC203	TLCX04F	IC	1	
IC204	C0JBAF000224	IC	1	
IC206	DS90LV047AC	IC	1	
IC301	NJM1496V	IC	1	
IC302	UPC1663GV	IC	1	C0ABAB000078
IC303	C0JBAS000075	IC	1	
IC351	UPC1663GV	IC	1	C0ABAB000078
IC401	NJM1496V	IC	1	
IC402	UPC1663GV	IC	1	C0ABAB000078
IC403	C0JBAS000075	IC	1	
IC451	UPC1663GV	IC	1	C0ABAB000078
IC501	NJM1496V	IC	1	
IC502	UPC1663GV	IC	1	C0ABAB000078
IC551	NJM1496V	IC	1	
IC552	UPC1663GV	IC	1	C0ABAB000078
IC601	NJM1496V	IC	1	
IC602	UPC1663GV	IC	1	C0ABAB000078
IC701	UPC1663GV	IC	1	C0ABAB000078
IC731	UPC1663GV	IC	1	C0ABAB000078
IC761	UPC1663GV	IC	1	C0ABAB000078
IC801	MN673798	IC	1	
IC802	C0ABBB000158	IC	1	
IC803	DS90LV047AC	IC	1	
IC804	C0JBAF000315	IC	1	
IC805,06	C0JBAZ000852	IC	2	
IC901	MN673798	IC	1	
IC902	C0ABBB000158	IC	1	
IC904	C0ABFB000012	IC	1	
IC1001	MN673798	IC	1	
IC1002	C0ABBB000158	IC	1	
IC1003	DS90LV047AC	IC	1	
IC1101	MN673798	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1102	C0ABBB000158	IC	1	
IC1201	MN673798	IC	1	
IC1202	C0ABBB000158	IC	1	
IC1203	DS90LV047AC	IC	1	
IC1301	LT1175CS8	IC	1	
IC1303	LT1086CM	IC	1	C0CBAYG00001
IC1304,05	C0CBADD00003	IC	2	
L301	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L302	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L351	VLQ0163J8R2	COIL 8.2UH	1	
L352	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L353	VLQ0163J1R5	COIL 1.5UH	1	
L354	VLQ077168NM	COIL	1	
L401	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L402	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L451	VLQ0163J8R2	COIL 8.2UH	1	
L452	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L453	VLQ0163J1R5	COIL 1.5UH	1	
L454	VLQ077168NM	COIL	1	
L501	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L502	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L551	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L552	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L601	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L602	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L701	VLQ0163J5R6	COIL 5.6UH	1	
L731	VLQ0163J5R6	COIL 5.6UH	1	
L761	VLQ0163J5R6	COIL 5.6UH	1	
L1301-05	VLP0183	COIL	5	J0JKC0000007
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	VJS3791B020	CONNECTOR (FEMALE)	1	
P4	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q1	2SB1218A0L	TRANSISTOR	1	
Q2	2SD1819A-R	TRANSISTOR	1	
Q3	XP0431200L	TRANSISTOR	1	
Q201,02	2SC3930	TRANSISTOR	2	
Q203,04	2SD601A	TRANSISTOR	2	
Q205,06	2SB1218A0L	TRANSISTOR	2	
Q301	XP6534	TRANSISTOR-RESISTOR	1	
Q302	2SC3930	TRANSISTOR	1	
Q303	XP6501	TRANSISTOR-RESISTOR	1	
Q304,05	2SD1979	TRANSISTOR	2	
Q306,07	2SC3930	TRANSISTOR	2	
Q351	XP6534	TRANSISTOR-RESISTOR	1	
Q401	XP6534	TRANSISTOR-RESISTOR	1	
Q402	2SC3930	TRANSISTOR	1	
Q403	XP6501	TRANSISTOR-RESISTOR	1	
Q404,05	2SD1979	TRANSISTOR	2	
Q406,07	2SC3930	TRANSISTOR	2	
Q451	XP6534	TRANSISTOR-RESISTOR	1	
Q501	XP6534	TRANSISTOR-RESISTOR	1	
Q502	2SC3930	TRANSISTOR	1	
Q503	XP6501	TRANSISTOR-RESISTOR	1	
Q504,05	2SD1979	TRANSISTOR	2	
Q506,07	2SC3930	TRANSISTOR	2	
Q551	XP6534	TRANSISTOR-RESISTOR	1	
Q552	2SC3930	TRANSISTOR	1	
Q553	XP6501	TRANSISTOR-RESISTOR	1	
Q554,55	2SD1979	TRANSISTOR	2	
Q556,57	2SC3930	TRANSISTOR	2	
Q601	XP6534	TRANSISTOR-RESISTOR	1	
Q602	2SC3930	TRANSISTOR	1	
Q603	XP6501	TRANSISTOR-RESISTOR	1	
Q604,05	2SD1979	TRANSISTOR	2	
Q606,07	2SC3930	TRANSISTOR	2	
Q701	2SC3930	TRANSISTOR	1	
Q702	2SA153200L	TRANSISTOR	1	
Q703	2SD1979	TRANSISTOR	1	
Q731	2SC3930	TRANSISTOR	1	
Q732	2SA153200L	TRANSISTOR	1	
Q733	2SD1979	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q761	2SC3930	TRANSISTOR	1	
Q762	2SA153200L	TRANSISTOR	1	
Q763	2SD1979	TRANSISTOR	1	
Q801	XP0450100L	TRANSISTOR	1	
Q802	2SD1819A-R	TRANSISTOR	1	
Q803	2SB1218A0L	TRANSISTOR	1	
Q901	XP0450100L	TRANSISTOR	1	
Q1001	XP0450100L	TRANSISTOR	1	
Q1101	XP0450100L	TRANSISTOR	1	
Q1201	XP0450100L	TRANSISTOR	1	
Q1301-03	2SB710A	TRANSISTOR	3	
Q1304-06	2SD602A-R	TRANSISTOR	3	
Q1307	2SD601A	TRANSISTOR	1	
QR351,52	UN5212	TRANSISTOR-RESISTOR	2	
QR1302-04	UNR511100L	TRANSISTOR	3	
QR1305-07	UNR521100L	TRANSISTOR	3	
QR1308-10	UNR511100L	TRANSISTOR	3	
R1-R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4,R5	EXBV8V473J	COMBI.R-R 47K	2	
R6	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7,R8	EXBV8V101J	COMBI.R-R 100	2	
R9	EXBV8V473J	COMBI.R-R 47K	1	
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R11	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R12	EXBV8V473J	COMBI.R-R 47K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R15	EXBV8V473J	COMBI.R-R 47K	1	
R16-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R19,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R22,23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R27-34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R101-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R104,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R106	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108-10	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R112	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R114-26	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	13	
R127,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R129,30	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R131,32	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R133	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R134	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R135	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R136	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R137-39	D0GB123JA002	M.RESISTOR CH 1/16W 12K	3	
R140-42	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R143	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R144	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R145	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R147	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R148-54	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	7	
R155-58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R159,60	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R161,62	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R163,64	D0GB123JA002	M.RESISTOR CH 1/16W 12K	2	
R165	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R166	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R167	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R169-71	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R172	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R173	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R174	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R175-80	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	6	
R181-84	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R202,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R205-07	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R208-11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R212,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R214,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R216-18	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R219	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R222-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R225,26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R227,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R229,30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R231,32	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R233,34	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R301,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R303,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R305,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R307	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R311	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R312	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R313	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R314	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R315	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R316	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R317	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R318	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R319,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R321,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R323	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R327	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R328,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R330	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R331	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R333	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R334-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R337	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R351,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R353	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R354	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R355	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R357	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R358	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R359	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R360	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R361	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R362	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R363	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R367	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R370,71	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R405,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R407	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R408	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R409,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R413	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R414	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R415	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R416	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R417	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R418	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R419,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R421,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R423	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R424,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R426	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R427	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R428,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R430	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R433	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R434-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R437	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R451,52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R453	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R454	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R456	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R457	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R459	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R460	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R461	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R462	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R464	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R465	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R467	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R470	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R501,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R503,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R505,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R507	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R509,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R511	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R512	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R513	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R514	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R515	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R516	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R517	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R518	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R519,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R523	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R527	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R528,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R530	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R533	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R534-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R537	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R551,52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R557	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R558	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R559,60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R561	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R562	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R563	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R566	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R567	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R568	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R569,70	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R571,72	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R573	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R574,75	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R576	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R577	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R578,79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R580	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R582	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R583	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R584-86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R587	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R601,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R603,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R605,06	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R607	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R608	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R609,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R613	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R614	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R615	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R616	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R617	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R618	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R619,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R621,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R623	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R624,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R626	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R627	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R628,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R630	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R632	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R633	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R634-36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R701	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R704	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R705	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R707	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R708	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R709	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R710	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R711	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R713	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R731	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R732	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R733	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R734	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R735	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R736	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R737	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R738	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R740	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R741	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R743	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R746	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R747	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R761	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R762	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R763	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R764	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R765	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R766	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R767	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R768	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R769	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R770	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R771	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R772	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R773	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R776	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R777	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R802	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R803	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R805	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R806	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R807	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R811	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R812	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R813	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R818,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R820	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R826	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R827	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R828	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R829	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R832	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R833,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R835	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R836	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R837	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R838	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R839	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R840	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R841	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R842	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R843	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R844	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R845	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R846	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R847	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R848	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R849	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R850	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R851-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R856	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R857	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R858	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R859	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R860	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R861	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R901	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R902	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R903	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R904	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R905	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R906	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R911	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R912	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R920	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R926	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R927	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R928	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R929	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R933,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R935	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R936	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R938	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R950	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R951-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R957	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R959	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R962,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R964	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R965	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1002	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1003	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1004	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1005	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1006	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1007	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1012	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1017	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1018,19	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R1020	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1026	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1027	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1028	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1029	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1033,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1035	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1036	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1038	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1049	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1050	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1051-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1057	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1059	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1060	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1061	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1102	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1103	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1105	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1106	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1107	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1111	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1112	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1113,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1117	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1120	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1127	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1129	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1133,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1135	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1138	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1150	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1151-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1157	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1159	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1160	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1162,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1164	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1201	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1202	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1203	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1205	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1206	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1207	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1211	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1212	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R1213,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1222-24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1226	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1227	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1233,34	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R1236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1238	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R1249	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1250	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1251-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1257	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R1259	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1260	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1261	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1262,63	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1264	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R1265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1301	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1302	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R1303	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R1304-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1307-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	6	
R1319-24	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	6	
R1325-27	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1328-31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R1332,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1334	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
RY1301	VSY2176	RELAY	1	K6B2CDA00045
SW201,02	VJP2536A003	CONNECTOR (MALE)	2	
TG1,G2	VJR0646	TEST POINT	2	D0X0R0000022
TP1-P7	EYF6CU	TEST POINT	7	
TP101-05	EYF6CU	TEST POINT	5	
TP201-05	EYF6CU	TEST POINT	5	
TP302	EYF6CU	TEST POINT	1	
TP304,05	EYF6CU	TEST POINT	2	
TP402	EYF6CU	TEST POINT	1	
TP404,05	EYF6CU	TEST POINT	2	
TP801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	8	
	XYN2+J6	SCREW	2	
	VWZ0212	THERMAL CONDUCTIVE TUBE	5	
	VMP6464	HEAT SINK HOLDER ANGLE A	1	
	VMP6465	HEAT SINK HOLDER ANGLE B	2	
	VSC4609	SHIELD CASE	5	
	VJS1990	CONNECTOR (FEMALE)	2	
■ E5	VEP85215A	RF/CUE P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3,C4	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C7	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C8,C9	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C10-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C14	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C15,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C17	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C18,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C20	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C21,22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C101,02	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C103,04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C108	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C109	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C110	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C111	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C112	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C113-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C116	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C117	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C171,72	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C173,74	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C176	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C177	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C178	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C179	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C180	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C181	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C182	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C183-90	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C251,52	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C253,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C256	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C257	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C258	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C259	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C260	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C261	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C262	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C263-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C266	EEFCD1C4R7R	E.CAPACITOR 16V 4.7U	1	
C267	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C321,22	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C326	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C327	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C328	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C330	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C331	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C332	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C333,34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C339-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C401-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C405-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C409-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C417	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C420	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C421	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C422,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C431-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C435-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C439-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C447	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C450	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C461-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C465-68	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C469-75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C477	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C480	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C481	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C482	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C483	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C484	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C501-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C505-08	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C509-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C517	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C520	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C521	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C522,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C531-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C535-38	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	4	
C539-45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C547	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C550	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C560	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C561	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C562,63	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C580	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C581	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C582,83	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C601-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C606,07	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C608	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C609,10	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C611-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C616,17	F1L1A2260013	C.CAPACITOR CH 10V 22U	2	
C618,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C620	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C4002	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4003	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4004	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4005	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4006	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4007	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4008	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4009,10	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4011	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4012	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4013	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C4014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4015	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4016,17	F1L2J682A010	C.CAPACITOR CH100V 1P	2	
C4018	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4019	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4020	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4021	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4022	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4023	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4024	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	F1K2J271A014	C.CAPACITOR CH 10V 270P	1	
C4027	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4028	EEVHP0J470	E.CAPACITOR 6.3V 47U	1	
C4029	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4030,31	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4032	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C4033	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4103,04	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	2	
C4105,06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4107-09	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C4110,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4112	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C4113,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4115	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4116	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4117	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4118	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4119	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C4121	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4122	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4123	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C4124	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4126	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4127	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4128	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4129,30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4131	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4133	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4134	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4135	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4136	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4137	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4139	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4140	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4141	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4142	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4201-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C4207,08	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4209,10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4211	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4212	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4213	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4214	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4216	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4217	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4218,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4220	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4301	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4305,06	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	2	
C4308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4309,10	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4313	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4314,15	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4316,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4320-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4325-28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C4329	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4330	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C4334	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4338,39	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4343	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C4344,45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4346	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4347	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D101-03	MA152WK	DIODE	3	
D171-73	MA152WK	DIODE	3	
D4001,02	MA142K	DIODE	2	
D4201	MA716	DIODE	1	
D4202	MA157A	DIODE	1	
FL4001	G2A193C00001	COIL	1	
FL4002	VLF1466B223	LINE FILTER	1	
FL4101	VLF1069	FILTER	1	G4ZZ00000278
FL4301-03	VLF1466B223	LINE FILTER	3	
IC1-C3	C0JBAB000541	IC	3	
IC4	TVHC00FT	IC	1	
IC5	C0JBAB000007	IC	1	
IC7-12	TC4S30F	IC	6	C0JBAZ000429
IC101	LT1175CS8	IC	1	
IC251	LT1175CS8	IC	1	
IC401	UPC5102GS030	IC	1	C1ZBZ0001316
IC402	UPC2726T	IC	1	
IC431	UPC5102GS030	IC	1	C1ZBZ0001316
IC432	UPC2726T	IC	1	
IC461	UPC5102GS030	IC	1	C1ZBZ0001316
IC462	UPC2726T	IC	1	
IC501	UPC5102GS030	IC	1	C1ZBZ0001316
IC502	UPC2726T	IC	1	
IC531	UPC5102GS030	IC	1	C1ZBZ0001316
IC532	UPC2726T	IC	1	
IC601,02	C0CBADD00003	IC	2	
IC4001	C0ABBB000124	IC	1	
IC4102	NJM78L09UA	IC	1	C0CBAHC00002
IC4103	C0JBAR000379	IC	1	
IC4104	TA75W558FU	IC	1	C0ABBA000042
IC4105	THC4052FT	IC	1	
IC4106	C1BB00000746	IC	1	
IC4107	C0JBAB000350	IC	1	
IC4108,09	TA75W558FU	IC	2	C0ABBA000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4203	C0DBZGH00001	IC	1	
IC4204	NJM79L05UA	IC	1	C0CBBDC00001
IC4205	TVHC244FT	IC	1	
IC4206	C0CBABC00049	IC	1	
IC4207	C0FBZH000011	IC	1	
IC4209	TA75W558FU	IC	1	C0ABBA000042
IC4302,03	TA75W558FU	IC	2	C0ABBA000042
IC4308	C0JBAR000379	IC	1	
IC4309	TA75W558FU	IC	1	C0ABBA000042
IC4313	TVHT244FT	IC	1	
L101,02	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L171,72	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L251,52	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L321,22	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L401	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L461	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L501	VLQ0163J1R8	COIL 1.8UH	1	G1C1R8J00003
L560,61	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L580,81	VLQ0163J2R2	COIL 2.2UH	2	G1C2R2J00009
L601-05	VLP0183	COIL	5	J0JKC0000007
L4001	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L4002	VLQ0423J472	COIL 4700UH	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1	VJP4064L140	CONNECTOR (MALE)	1	K1KBE0B00003
P2	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P3	VJS3900A024	CONNECTOR (FEMALE)	1	
P4	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
P4001	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q1	2SA153200L	TRANSISTOR	1	
Q2	XP0431200L	TRANSISTOR	1	
Q3	XP0460100L	TRANSISTOR	1	
Q4,Q5	2SA153200L	TRANSISTOR	2	
Q6	XP0431200L	TRANSISTOR	1	
Q7-Q9	2SA153200L	TRANSISTOR	3	
Q101,02	2SC3935	TRANSISTOR	2	
Q103	XP4506	TRANSISTOR-RESISTOR	1	
Q104	2SC3935	TRANSISTOR	1	
Q106	2SC4536	TRANSISTOR	1	
Q107	2SA153200L	TRANSISTOR	1	
Q108	XP0150400L	TRANSISTOR	1	
Q109	2SK508K512	TRANSISTOR	1	
Q110	2SC4536	TRANSISTOR	1	
Q111	2SA153200L	TRANSISTOR	1	
Q112	XP0150400L	TRANSISTOR	1	
Q113	2SK508K512	TRANSISTOR	1	
Q114	2SC4536	TRANSISTOR	1	
Q116	2SC4536	TRANSISTOR	1	
Q117	2SC3935	TRANSISTOR	1	
Q171,72	2SC3935	TRANSISTOR	2	
Q173	XP4506	TRANSISTOR-RESISTOR	1	
Q174	2SC3935	TRANSISTOR	1	
Q176	2SC4536	TRANSISTOR	1	
Q177	2SA153200L	TRANSISTOR	1	
Q178	XP0150400L	TRANSISTOR	1	
Q179	2SK508K512	TRANSISTOR	1	
Q180	2SC4536	TRANSISTOR	1	
Q181	2SA153200L	TRANSISTOR	1	
Q182	XP0150400L	TRANSISTOR	1	
Q183	2SK508K512	TRANSISTOR	1	
Q184	2SC4536	TRANSISTOR	1	
Q186	2SC4536	TRANSISTOR	1	
Q187	2SC3935	TRANSISTOR	1	
Q251,52	2SC3935	TRANSISTOR	2	
Q254	2SC3935	TRANSISTOR	1	
Q256	2SC4536	TRANSISTOR	1	
Q257	2SA153200L	TRANSISTOR	1	
Q259	2SK508K512	TRANSISTOR	1	
Q260	2SC4536	TRANSISTOR	1	
Q261	2SA153200L	TRANSISTOR	1	
Q263	2SK508K512	TRANSISTOR	1	
Q264	2SC4536	TRANSISTOR	1	
Q266	2SC4536	TRANSISTOR	1	
Q267	2SC3935	TRANSISTOR	1	
Q321,22	2SC3935	TRANSISTOR	2	
Q324	2SC3935	TRANSISTOR	1	
Q326	2SC4536	TRANSISTOR	1	
Q327	2SA153200L	TRANSISTOR	1	
Q329	2SK508K512	TRANSISTOR	1	
Q330	2SC4536	TRANSISTOR	1	
Q331	2SA153200L	TRANSISTOR	1	
Q333	2SK508K512	TRANSISTOR	1	
Q334	2SC4536	TRANSISTOR	1	
Q336	2SC4536	TRANSISTOR	1	
Q337	2SC3935	TRANSISTOR	1	
Q401,02	XP4506	TRANSISTOR-RESISTOR	2	
Q403	XP6534	TRANSISTOR-RESISTOR	1	
Q405	XP6534	TRANSISTOR-RESISTOR	1	
Q431	XP4506	TRANSISTOR-RESISTOR	1	
Q435	XP6534	TRANSISTOR-RESISTOR	1	
Q461,62	XP4506	TRANSISTOR-RESISTOR	2	
Q463	XP6534	TRANSISTOR-RESISTOR	1	
Q464	XP0150400L	TRANSISTOR	1	
Q465	XP6534	TRANSISTOR-RESISTOR	1	
Q501,02	XP4506	TRANSISTOR-RESISTOR	2	
Q503	XP6534	TRANSISTOR-RESISTOR	1	
Q505	XP6534	TRANSISTOR-RESISTOR	1	
Q531	XP4506	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q535	XP6534	TRANSISTOR-RESISTOR	1	
Q560,61	2SC3735	TRANSISTOR	2	
Q580,81	2SC3735	TRANSISTOR	2	
Q601,02	2SB710A	TRANSISTOR	2	
Q4001	2SB779-R	TRANSISTOR	1	
Q4002	2SD1819A-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4004	2SB779-R	TRANSISTOR	1	
Q4005	2SD1819A-R	TRANSISTOR	1	
Q4006	2SD874-R	TRANSISTOR	1	
Q4007	2SD1979	TRANSISTOR	1	
Q4008	2SB792-R	TRANSISTOR	1	
Q4009,10	2SD1149-R	TRANSISTOR	2	
Q4011,12	2SD1979	TRANSISTOR	2	
Q4201	2SD1979	TRANSISTOR	1	
QR601,02	UNR521100L	TRANSISTOR	2	
QR4001,02	UNR511300L	TRANSISTOR	2	
QR4003	UNR521300L	TRANSISTOR	1	
QR4004	UNR511300L	TRANSISTOR	1	
QR4005,06	UNR521300L	TRANSISTOR	2	
QR4007	UNR511300L	TRANSISTOR	1	
QR4201	UNR521300L	TRANSISTOR	1	
QR4202	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	EXBV8V473J	COMBI.R-R 47K	1	
R3,R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	EXBV8V473J	COMBI.R-R 47K	1	
R7-42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	36	D0GB103JA002
R101,02	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R103	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R104	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R105,06	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R107-09	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R110,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R112,13	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R114-17	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R118,19	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R121	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R124	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R126	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R127	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R128	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R129	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R130	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R131	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R132	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R133	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R135	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R136	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R137	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R138	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R141	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R142	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R143	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R145	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R146	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R149,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R171,72	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R173	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R174	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R175,76	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R177-79	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	3	
R180,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R182,83	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R184-87	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R188,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R191	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R192	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R194	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R195	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R196	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R197	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R198	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R199	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R200	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R201	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R203	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R204	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R205	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R206	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R207	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R208	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R210	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R211	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R212	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R213	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R215	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R255,56	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R257,58	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R260,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R262,63	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R268,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R270,71	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R272	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R273	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R274	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R275	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R276	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R277	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R279	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R280	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R281	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R282	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R283	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R284	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R285	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R287	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R288	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R289	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R290	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R291	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R292	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R293,94	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R295	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R296	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R299,00	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R323	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R325,26	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R327,28	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R330,31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R332,33	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R338,39	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R340,41	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R342	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R343	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R344	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R345	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R346	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R347	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R349	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R350	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R351	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R353	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	1	
R354	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R355	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R357	ERJ8GEYJ561	M.RESISTOR CH 1/8W 560	1	
R358	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R359	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R361	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R362	ERJ14YJ270	M.RESISTOR CH 1/4W 27	1	
R363,64	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	2	
R365	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R369,70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R401,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R403-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R408,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R410,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R412,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R414	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R417,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R419,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R421,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R423,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R425,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R431,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R433-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R437	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R438,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R440,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R442,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R444	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R447,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R449,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R451,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R453,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R455,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R457,58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461,62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R463-66	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R468,69	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R470,71	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R472,73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R474	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R477,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R479,80	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R481,82	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R483,84	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R485,86	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R487	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R488,89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R490,91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R501,02	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R503-06	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R510,11	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R512,13	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R517,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R519,20	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R521,22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R523,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R525,26	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R527	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R528,29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R531,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R533-36	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R537	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R538,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R540,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R542,43	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R544	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R547,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R549,50	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R551,52	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R553,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R555,56	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R560	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R561	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R562	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R563	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R564	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R565	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R580	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R581	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R582	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R583	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R584	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R585	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R601,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R605,06	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4004	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4006	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4007	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4008	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4009	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4011	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4012	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4013	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4014	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4015	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4016	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4017	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4024	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4025	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4026	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4027	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4028	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4029	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4030	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4031	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4032	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R4033	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4034	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4035	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4036	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4037,38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4039	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4040	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4041	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4042,43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4044	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4045	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4048	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4049	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4101,02	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R4103	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4105	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R4109	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4111	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4113	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4116	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4117	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4119,20	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4121	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4122-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R4125	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4126	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4128	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4129	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4130	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4131	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4132	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4135	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4136	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4137	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4138	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4140	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4201	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4202	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4203	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4208	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4209	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4210	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4211	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4212	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4213	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4219,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4306	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4307	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4309	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R4310	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4312	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4315	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4316	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4319,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4322	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4324	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4330	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4332	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4335	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4340	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4344	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R4346	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
T4001,02	VLT0729	TRANSFORMER	2	G4ZZ00000358
TG1	VJR0646	TEST POINT	1	D0X0R0000022
TG4005	EYF6CU	TEST POINT	1	
TG4101	EYF6CU	TEST POINT	1	
TG4203	EYF6CU	TEST POINT	1	
TP1,P2	EYF6CU	TEST POINT	2	
TP4001-04	EYF6CU	TEST POINT	4	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201,02	EYF6CU	TEST POINT	2	
VR4001	VRV0161B503	V.RESISTOR 50K	1	
VR4002	VRV0161B103	V.RESISTOR 10K	1	
VR4103	VRV0161B503	V.RESISTOR 50K	1	
VR4301,02	VRV0161B502	V.RESISTOR 5K	2	
VR4305,06	VRV0161B103	V.RESISTOR 10K	2	
		MISCELLANEOUS		

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP7961	RF PB MOUNT ANGLE	2	
	VSC5040	HEAD BUFF SHIELD (UPPER)	1	
	VSC5041	HEAD BUFF SHIELD (MIDDLE)	1	
	VSC5042	P.C.BOARD SHIELD (LOWER)	1	
	XTV3+6FFR	SCREW	2	
	XYN2+J6	SCREW	2	
	VSC5583	EARTH HOLDER ANGLE	1	
	XSN26+3	SCREW	1	
	VMZ3026	SHIELD PROTECT SHEET	1	
	VEE9862	EARTH CABLE	1	
■ E6	VEP84393B	APROC P.C.BOARD	1	(RTL)
C4002-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4006,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4051-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C4101-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4106	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4107-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4112	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4113	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4151	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4152	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4153	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4154	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C4155	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4156	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4157-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4160,61	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4164-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4170,71	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4172-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4178-86	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4187	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4188-90	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4191	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4193-95	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4196,97	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4198,99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4201-04	ECQV1H105JL	P.CAPACITOR 50V 1U	4	
C4213,14	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4215-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4219,20	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4221-24	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4225,26	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4227,28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4229-32	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	4	
C4233-42	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4243,44	F2H0J4700003	E.CAPACITOR 6.3V 47U	2	
C4245-48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4249	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4250-53	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4254,55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4256	F2H0J4700003	E.CAPACITOR 6.3V 47U	1	
C4265-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4269-72	ECHU1C472JB	P.CAPACITOR 16V 4700P	4	
C4273-80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4281-84	EEVHP0J100	E.CAPACITOR 6.3V 10U	4	
C4401-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4405-08	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4409-12	EEVHB1C220	E.CAPACITOR 16V 22U	4	
C4414,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4417,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4420,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4423,24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4425-28	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	4	
C4429-32	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C4433,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4435	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4437	EEVHB1C220	E.CAPACITOR 16V 22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4439	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4440	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4441	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4442	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4443,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4445,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4447,48	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4449-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4453-56	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	4	
C4457	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4458-65	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	8	
C4466-69	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4601	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C4602,03	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4608,09	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4613-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4617,18	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4619,20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C4621,22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4623	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4624,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4626,27	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4628	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4630,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4632	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4633,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4635,36	F2H0J2200001	E.CAPACITOR 6.3V 22U	2	
C4637	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4801,02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4803,04	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4805,06	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4807,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4809,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4811,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4813,14	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4815,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4817	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4818,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4820	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4821	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4823	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4825	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4827,28	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4829-32	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	4	
C4833-36	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4837,38	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C4839,40	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4841,42	D4ED1220A006	VARISTOR	2	
D4201-03	MA716	DIODE	3	
D4601	MA716	DIODE	1	
D4602	MA147	DIODE	1	
D4603	MA716	DIODE	1	
D4604-06	MA142WK	DIODE	3	
D4607	MA716	DIODE	1	
D4608,09	MA142WA	DIODE	2	
FL4101	VLF1466B223	LINE FILTER	1	
IC4003	TVHC244FT	IC	1	
IC4004	C1ZBZ0001555	IC	1	
IC4006	C0EBE0000236	IC	1	
IC4007	C1ZBZ0002372	IC	1	
IC4008	TVHT244FT	IC	1	
IC4057-59	TVHT244FT	IC	3	
IC4060,61	TVHC244FT	IC	2	
IC4105,06	SN74S1051NS	IC	2	
IC4109-11	C0JBAZ000852	IC	3	
IC4112	TLCX245FT	IC	1	
IC4114-16	TVHT244FT	IC	3	
IC4151,52	C0JBAB000422	IC	2	
IC4155	TVHT244FT	IC	1	
IC4156	C0CBADD00003	IC	1	
IC4158	TLCX245FT	IC	1	
IC4160	MC74HC4046AF	IC	1	C0JBAZ000153

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4163	C5AB00000006	IC	1	
IC4164	C0ABHA000020	IC	1	
IC4166	TLCX245FT	IC	1	
IC4167	TVHC244FT	IC	1	
IC4169,70	C5AB00000006	IC	2	
IC4171	C3ABQG000045	IC	1	
IC4172	C5AB00000006	IC	1	
IC4173	TVHC244FT	IC	1	
IC4174,75	C0ZBZ0000830	IC	2	
IC4205-08	TA75W558FU	IC	4	C0ABBA000042
IC4209	XC62AP5002M	IC	1	C0CBADD00005
IC4210	XC62DN5002M	IC	1	
IC4211-14	THC4052FT	IC	4	
IC4219	XC62AP5002M	IC	1	C0CBADD00005
IC4220	XC62DN5002M	IC	1	
IC4221-24	C0FBBG000033	IC	4	
IC4225-28	TA75W558FU	IC	4	C0ABBA000042
IC4229-32	THC4052FT	IC	4	
IC4233	XC62AP5002M	IC	1	C0CBADD00005
IC4242-45	TA75W558FU	IC	4	C0ABBA000042
IC4401-04	C0ABBB000184	IC	4	
IC4409,10	C0FBZK000006	IC	2	
IC4411	C0CBABE00013	IC	1	
IC4412-15	C0ABBB000184	IC	4	
IC4420-23	THC4052FT	IC	4	
IC4601,02	C0JBAR000379	IC	2	
IC4603	TA75W558FU	IC	1	C0ABBA000042
IC4606,07	TC4W53FU	IC	2	
IC4613	TA75W558FU	IC	1	C0ABBA000042
IC4615	TA75W558FU	IC	1	C0ABBA000042
IC4617	TA75W558FU	IC	1	C0ABBA000042
IC4618	THC4052FT	IC	1	
IC4620	THC4052FT	IC	1	
IC4622	TA75W558FU	IC	1	C0ABBA000042
IC4624	THC4052FT	IC	1	
IC4626	THC4052FT	IC	1	
IC4632,33	C0JBAR000379	IC	2	
IC4636	XC62AP5002M	IC	1	C0CBADD00005
IC4637	XC62DN5002M	IC	1	
IC4639	TA75W558FU	IC	1	C0ABBA000042
IC4640	XC62AP5002M	IC	1	C0CBADD00005
IC4641	XC62DN5002M	IC	1	
IC4642	TA75W558FU	IC	1	C0ABBA000042
IC4644	XC62AP5002M	IC	1	C0CBADD00005
IC4645	XC62DN5002M	IC	1	
IC4646	THC4052FT	IC	1	
IC4801	TA75W558FU	IC	1	C0ABBA000042
IC4805	C1BB00000360	IC	1	
IC4806,07	NJM4556AM	IC	2	C0ABBB000042
ID0	VVVSI4283A	SOFTWARE	1	DOWNLOAD ONLY
L4151,52	VLF1151A132	COIL	2	
P4001	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P4002	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4201-04	2SD1979	TRANSISTOR	4	
Q4601-04	2SB1219A-R	TRANSISTOR	4	
Q4801	2SD602A-R	TRANSISTOR	1	
Q4802	2SB710A-RS	TRANSISTOR	1	
Q4803,04	2SD1979	TRANSISTOR	2	
Q4805,06	2SD1328	TRANSISTOR	2	
QR4201-04	UNR521300L	TRANSISTOR	4	
QR4205-08	UNR511300L	TRANSISTOR	4	
QR4601,02	UNR521300L	TRANSISTOR	2	
R4003	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4005-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4012	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4013	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4016	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4021	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
R4026	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4032	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4051	EXBV8V102J	COMBI.R-R 1K	1	
R4052	D1H833040002	COMBI.R-R 33	1	
R4053	EXBV8V102J	COMBI.R-R 1K	1	
R4054,55	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4056	D1H833040002	COMBI.R-R 33	1	
R4057-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R4062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4063	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4064	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R4065	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4066	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4067-73	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R4101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R4104,05	D1H847240002	COMBI.R-R 4.7K	2	
R4112-14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4151	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4152	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4159	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4160	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4162	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4163,64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4166	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4168	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4169,70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4171	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4172	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4173,74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4175	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4176	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4178	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4179-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4201-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4205-08	ERJ3GEYJ114	M.RESISTOR CH 1/16W 110K	4	
R4209-12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4213-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4217-20	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4221	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4223	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4224	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4225	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4226	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4228	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4229	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4230	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4231	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4232	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4233	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4234	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4235	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R4236	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4237	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4238	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4239	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4240	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4241	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4242	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4243	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4244	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4245	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4246	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4247	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4248	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4249-52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	4	
R4253	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4255	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4257	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4258	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4259	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4260	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4261	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4262	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4263	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4264	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4265	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4266	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4267	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4268	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4269	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4270	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4271	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4272	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4273	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4274	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4275	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4276	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4277	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4278	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4279	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4280	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4281-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4285-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4289,90	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4291-94	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R4295-98	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	4	
R4299-02	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	4	
R4303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R4307	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4308	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4309	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4311	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4313	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4314	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4315	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4316	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4318	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4319-22	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4323-26	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4327-30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R4331-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4335-38	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R4401-12	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	12	
R4413-16	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	4	
R4417-24	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4425-32	ERJ3RBD331	M.RESISTOR CH 1/16W 330	8	
R4433,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4435,36	D1H84704A008	COMBI.R-R 47	2	
R4437,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4439,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4441,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4443	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4444	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4445	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4446-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4450	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4452	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4453	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4458-69	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	12	
R4470-77	ERJ3RBD201	M.RESISTOR CH 1/16W 200	8	
R4478-86	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4487	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4488	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4489	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4490	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4491	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4492	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4493	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4494	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4495	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4496	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4497	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4498	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4499	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4500	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4501	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4502	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4503	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4504	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4505	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4506	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4507	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4508	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4509	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4510	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4511	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4512	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4513	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4601	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4602-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R4612	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4613	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4617,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4619	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4620-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4624	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4626	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4628,29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4636	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4637	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4638	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4639	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4640	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4641	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4642	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4643	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4646,47	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	2	
R4648	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4649	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4650	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4651	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4652	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4653	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4654	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4655	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4656	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4657	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4658	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4659	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4660	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4661	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4662,63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4667	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4668	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4669	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4670	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4671	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4672	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4675-78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4679,80	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4681-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4685,86	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R4687	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4688,89	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R4690	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4692	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4694	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4695	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4696	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4697	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4698,99	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4700	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4701	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4702	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4703	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4704	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4708,09	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4710	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4712-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4803,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4805,06	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4807,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4809	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4811-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4814	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4815	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R4818,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4821	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4823	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4825,26	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R4829,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4831,32	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R4833,34	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4835,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4837,38	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R4839,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4841	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4842	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4843	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R4844	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R4845,46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4847,48	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4849	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4851	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4852	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4853-58	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
TG4155-57	EYF6CU	TEST POINT	3	
TG4201	EYF6CU	TEST POINT	1	
TG4401,02	EYF6CU	TEST POINT	2	
TG4601	EYF6CU	TEST POINT	1	
TP4001-04	EYF6CU	TEST POINT	4	
TP4055,56	EYF6CU	TEST POINT	2	
TP4151-53	EYF6CU	TEST POINT	3	
TP4602-07	EYF6CU	TEST POINT	6	
VR4201-04	VRV0161B103	V.RESISTOR 10K	4	
VR4401-04	VRV0161B502	V.RESISTOR 5K	4	
X4151	VSX0519	CRYSTAL OSCILLATOR	1	H0D160500011
X4152	H4G2455B0005	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
■ E7	VEP84368B	A I/O P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4001	ECA1CHG221	E.CAPACITOR 16V 220U	1	
C4101,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4103,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4105,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4107,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4109,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4111-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4119,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4121,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4123-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4201,02	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4203,04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4205,06	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4207,08	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C4209,10	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4211-18	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	8	
C4219,20	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4221,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4223-30	EEVHB1C470P	E.CAPACITOR 16V 47U	8	
C4300-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4304,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4306-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4310,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4312-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4316-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4320-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4326-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4330,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
C4400-03	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C4404,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4406-09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	F1J1E104A082
C4410,11	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4412-15	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4416-19	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	4	
C4420-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4426-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4430,31	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	2	
D4300,01	MA152WA	DIODE	2	
D4302,03	MA152WK	DIODE	2	
D4304	MA716	DIODE	1	
D4400,01	MA152WA	DIODE	2	
D4402,03	MA152WK	DIODE	2	
D4404	MA716	DIODE	1	
IC4101	TA75W558FU	IC	1	C0ABBA000042
IC4102	NJM4556AM	IC	1	C0ABBB000042
IC4103	TA75W558FU	IC	1	C0ABBA000042
IC4104	NJM4556AM	IC	1	C0ABBB000042
IC4201	TA75W558FU	IC	1	C0ABBA000042
IC4202	NJM4556AM	IC	1	C0ABBB000042
IC4203	TA75W558FU	IC	1	C0ABBA000042
IC4204	NJM4556AM	IC	1	C0ABBB000042
IC4300,01	AQV212SX	IC	2	K6G1AKB00012
IC4302,03	K6G4AKB00004	IC	2	
IC4304	XC62AP5002M	IC	1	C0CBADD00005
IC4305,06	NJM2122M	IC	2	
IC4307,08	TA75W558FU	IC	2	C0ABBA000042
IC4309	XC62DN5002M	IC	1	
IC4400,01	AQV212SX	IC	2	K6G1AKB00012
IC4402,03	K6G4AKB00004	IC	2	
IC4404	XC62AP5002M	IC	1	C0CBADD00005
IC4405,06	NJM2122M	IC	2	
IC4407,08	TA75W558FU	IC	2	C0ABBA000042
IC4409	XC62DN5002M	IC	1	
P4101	VJS3421A020	CONNECTOR (FEMALE)	1	K1MN20A00027
P4102	VJP3600F030K	CONNECTOR (MALE)	1	
P4103	K1KA03A00017	CONNECTOR (MALE)	1	
P4301	VJP3600F030K	CONNECTOR (MALE)	1	
P4303	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
Q4101	2SD602A-R	TRANSISTOR	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4102	2SB710A-RS	TRANSISTOR	1	
Q4103-06	2SD1328	TRANSISTOR	4	
Q4201	2SD602A-R	TRANSISTOR	1	
Q4202	2SB710A-RS	TRANSISTOR	1	
Q4203-06	2SD1328	TRANSISTOR	4	
QR4300-09	UNR521300L	TRANSISTOR	10	
QR4400-09	UNR521300L	TRANSISTOR	10	
R4001-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R4031	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4101,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4105,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4107,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4109,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4111-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4119-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4123,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4125-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4131-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4135-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4141-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4145,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4201,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4205,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4207,08	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4209,10	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4211-18	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4219-22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4223,24	ERJ3RBD121	M.RESISTOR CH 1/16W 120	2	
R4225-28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4231-34	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4235-40	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	6	
R4241-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4301	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4303	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4304,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4306,07	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4308	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4310	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4312,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4314-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4322-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	
R4326	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4328	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4330,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4332-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4336	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4337	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4338	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4339	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4340,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4342-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4346-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4350-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4356,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4358,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4362,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4364,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4366-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
R4401	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4403	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4404,05	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4406	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4407	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4408	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R4409	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4412,13	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4414-21	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	8	
R4422-25	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4426	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4428	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R4429	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4430,31	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4432-35	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4436	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4437	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4438	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R4439	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R4440,41	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4442-45	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4446-49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R4450-55	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4456,57	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R4458,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4462,63	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4464,65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4466-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	D0YDR0000005
VR4101,02	EVM7JGA00B52	V.RESISTOR 500	2	
VR4201,02	EVM7JGA00B52	V.RESISTOR 500	2	
■ E9	VEP82250A	MECHA I/F P.C.BOARD	1	(RTL)
C4	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C9	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C12	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C13	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C18,19	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C21,22	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C23	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302-04	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C305-09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C310-12	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C313	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C314	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C315-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C400	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C401	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C403	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C404	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C405-07	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C502,03	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	2	
C504,05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C506,07	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C508,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C510,11	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C512,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C514,15	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C518,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C520	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C521	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C522	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C523	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C524	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C525	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C526	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C527	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C528,29	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C530,31	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C532,33	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C534,35	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C536,37	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C538,39	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C540,41	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C542,43	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C544,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C546,47	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C600,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C602	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C603,04	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C606	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C607	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C608	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C609	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C610	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C611	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C612	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C613	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C614	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C615	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C616	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C703	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C704	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C705,06	EEVHB1C220	E.CAPACITOR 16V 22U	2	
D1	MA147	DIODE	1	
D300	MA2Q73800L	DIODE	1	
D301	MA8075-M	DIODE	1	
D400	MA142K	DIODE	1	
D401-03	MA2Q73800L	DIODE	3	
D500-11	MA2Q73800L	DIODE	12	
D512,13	MA147	DIODE	2	
D700,01	MA147	DIODE	2	
IC2	C0ABBB000179	IC	1	
IC3	0P177GS	IC	1	
IC4	C0ABBB000179	IC	1	
IC5	0P177GS	IC	1	
IC6	C0ABBB000179	IC	1	
IC7	C0ABBB000184	IC	1	
IC8	C0ABBB000179	IC	1	
IC14	C0JBAZ000994	IC	1	
IC15	UPC4741G2	IC	1	
IC18	C0ABBB000184	IC	1	
IC19	C0BBBA000044	IC	1	
IC300	C0ABBA000075	IC	1	
IC301	BA6238A	IC	1	C0GAK0000007
IC302-04	C0JBAZ000608	IC	3	
IC305	BA6238A	IC	1	C0GAK0000007
IC306,07	C0JBAQ000080	IC	2	
IC400	C0JBAM000052	IC	1	
IC401	C0BBBA000044	IC	1	
IC500	C0BBBA000044	IC	1	
IC501,02	AN3834S	IC	2	
IC503	C0ABBB000179	IC	1	
IC703	C0JBAZ000994	IC	1	
IC2254	TC4538BF	IC	1	
J400-03	K4CD01000007	CABLE TERMINAL	4	
L300-04	VLF1151A132	COIL	5	
P300	K1KAA0A00120	CONNECTOR (MALE)	1	
P400	VJS3801D015	CONNECTOR (FEMALE)	1	
P401,02	VJP3172D005	CONNECTOR (MALE)	2	K1KA05B00053
P403	K1KA02B00075	CONNECTOR (MALE)	1	
P404	K1KA03B00102	CONNECTOR (MALE)	1	
P405,06	K1KA02B00075	CONNECTOR (MALE)	2	
P407	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P408	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P409	K1KA03B00102	CONNECTOR (MALE)	1	
P410	K1KA02B00075	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P411	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P412	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P413	K1KA06A00031	CONNECTOR (MALE)	1	
P414	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P415,16	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P417,18	VJP3172D004	CONNECTOR (MALE)	2	K1KA04B00007
P419	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P420	VJS3422B015	CONNECTOR (FEMALE)	1	
P421	VJS3422B019	CONNECTOR (FEMALE)	1	
P422,23	VJP3172D002	CONNECTOR (MALE)	2	K1KA02B00051
Q1	2SB1218A-R	TRANSISTOR	1	
Q100-07	B1DZED000002	TRANSISTOR	8	
Q300	2SD601A	TRANSISTOR	1	
Q301	2SB936A-Q	TRANSISTOR	1	
Q400,01	2SB766	TRANSISTOR	2	
Q500-05	2SD1624-S	TRANSISTOR	6	
Q700	2SD601A	TRANSISTOR	1	
Q701,02	2SB0709A0L	TRANSISTOR	2	
Q703	2SD601A	TRANSISTOR	1	
Q704	2SB0709A0L	TRANSISTOR	1	
Q705	2SD601A	TRANSISTOR	1	
QR100-11	UNR521300L	TRANSISTOR	12	
QR400,01	UNR521400L	TRANSISTOR-RESISTOR	2	
QR500-03	UN5215	TRANSISTOR-RESISTOR	4	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UNR511300L	TRANSISTOR	1	
QR702	UN5215	TRANSISTOR-RESISTOR	1	
QR703	UNR511500L	TRANSISTOR	1	
R3,R4	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R7	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R10	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R11,12	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R13	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R15	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R16	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R18	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R19	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R20	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R21	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R22	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R24	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R25	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R26	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R27	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R28	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R30	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R31	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R32	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R33	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R100-03	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R104-06	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R107,08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R109	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R110,11	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R112-15	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R300	EXBV8V473J	COMBI.R-R 47K	1	
R301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R302	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R303	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R304	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R305	EXBV8V473J	COMBI.R-R 47K	1	
R306	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R307,08	EXBV8V473J	COMBI.R-R 47K	2	
R309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R310-12	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	3	
R313	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R314	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R315-17	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R318-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R351	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R400	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R401	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R402	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R405	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R406	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R407	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R409	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R410	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R411	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R413	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R414-17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R418	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R421,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R500-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R504	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R505	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R506,07	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R508	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R510	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R511	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R512	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R513,14	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R515-18	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	4	
R519-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	4	
R523,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R525-28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R529	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R530	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R531	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R532-34	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	3	
R535-38	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R539,40	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R600	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R601	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R602	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R603,04	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R606,07	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R608	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R609	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R610	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R611	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R612	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R613	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R614,15	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R616	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R618	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R619	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R620	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R621	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R622	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R623	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R624	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R700-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R704,05	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R706	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R707	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R708,09	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R710	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
VR1	EVM7JGA00B24	V.RESISTOR 20K	1	
VR2	EVM7JGA00B54	V.RESISTOR 50K	1	
VR400,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E10	VEP81203E	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81233A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203E
⚠ C1001	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1002,03	F1BAH1020010	C.CAPACITOR 1000P	2	
⚠ C1004	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1005	VCK0262M222A	C.CAPACITOR 2200P	1	F1BAH2220002
C1006	EEUFC1H101	E.CAPACITOR 50V 100U	1	
C1007	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1010	VCK0106K221	C.CAPACITOR 220P	1	
C1013	ECEC2WB151DB	E.CAPACITOR 450V 150U	1	
C1014	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1015	ECQE2W105KC	P.CAPACITOR 450V 1U	1	
⚠ C1016	ECQU2A154ML	P.CAPACITOR 100V 0.15U	1	
C1017	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1102	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	
C1103	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1106	ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1107	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1108	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1110	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1111-13	EEUFC1E182	E.CAPACITOR 25V 1800U	3	
C1114,15	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	2	
C1118	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010
C1901	ECA1HXL100	E.CAPACITOR 50V 10U	1	FOR VEP81233A
C1902	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1903	ECJ2VC1H221J	C.CAPACITOR CH 50V 220P	1	FOR VEP81233A
C1904	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	FOR VEP81233A
C1905	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1906	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1908	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81233A
C1909	ECA1HXL010	E.CAPACITOR 50V 1U	1	FOR VEP81233A
C1910	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	F1J1H561A025 FOR VEP81233A
C1912	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	FOR VEP81233A
C1913	ECUX1H682KBN	C.CAPACITOR CH 50V 6800P	1	FOR VEP81233A
C1914	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1915	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	FOR VEP81233A
C1916	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1917	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	F1J1H103A010 FOR VEP81233A
C1921,22	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	F1J1H103A010 FOR VEP81233A
C1923	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81233A
C1924	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	FOR VEP81233A
D1001	SFPL-52	DIODE	1	
D1002	RBV606	DIODE	1	
D1003,04	SFPL-52	DIODE	2	
D1005	FML-G26S	DIODE	1	
D1006-09	MA3100-M	DIODE	4	
D1101	MA3270-M	DIODE	1	
D1103	SFPL-52	DIODE	1	
D1104	AP01C	DIODE	1	B0HADV000010
D1105	SFPL-52	DIODE	1	
D1106	D20LC20U	DIODE	1	B0HBSM000021
D1107	U1GU44	DIODE	1	
D1108	SFPL-52	DIODE	1	
D1109	MA3200-M	DIODE	1	
D1110,11	MA152K	DIODE	2	
D1112	MA3068-M	DIODE	1	
D1901,02	MA3200-M	DIODE	2	FOR VEP81233A
D1903	MA3100-M	DIODE	1	FOR VEP81233A
D1904	MA152K	DIODE	1	FOR VEP81233A
D1905	MA152WA	DIODE	1	FOR VEP81233A
D1906	MA3270-M	DIODE	1	FOR VEP81233A
D1907	MA3051-M	DIODE	1	MAZ30510ML FOR VEP81233A
D1908	MA3068-M	DIODE	1	FOR VEP81233A
D1911	MA3068-M	DIODE	1	FOR VEP81233A
D1914	MA152K	DIODE	1	FOR VEP81233A
⚠ F1001	VSF0246	FUSE	1	
IC1101	AN1431M	IC	1	
IC1901	M51951BL	IC	1	C0EAH0000030 FOR VEP81233A
IC1902	MC33262P	IC	1	C0DAZZZ00013 FOR VEP81233A
IC1903	FA5311BP	IC	1	C0DAAZZ00002 FOR VEP81233A

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J1002	VWJ0121	CABLE	1	
J1004	VWJ0121	CABLE	1	
J1101,02	VWJ0121	CABLE	2	
L1002	VLQ0861	COIL	1	
⚠ L1003,04	ELF20N015A	COIL	2	
L1007	VLP0083	COIL	1	J0JKB0000011
L1101,02	VLP0083	COIL	2	J0JKB0000011
L1106-08	VLP0336	FERRITE CORE	3	
P1001	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
P1002,03	VJP3878	CONNECTOR (MALE)	2	K1KA02B00137
P1004,05	VJP3042G003W	CONNECTOR (MALE)	2	K1KA03A00157
P1006	VJP3042G017W	CONNECTOR (MALE)	1	K1KA17A00011
P1007	VJP1149	CONNECTOR (MALE)	1	K1KA03B00084
P1101	K1KA06A00262	CONNECTOR	1	
P1901,02	VJS3042B003W	CONNECTOR (FEMALE)	2	K1KB03B00007 FOR VEP81233A
P1903	VJS3042B017W	CONNECTOR (FEMALE) 17P	1	K1KB17B00005 FOR VEP81233A
⚠ PC1101,02	B3QAZ0000030	PHOTO COUPLER	2	
Q1001	AC08FGM	DIODE	1	B2BAJR000001
⚠ Q1002	2SK1941-01R	TRANSISTOR	1	B1DEGR000002
⚠ Q1101	2SK2677-4112	TRANSISTOR	1	B1BAGU000002
Q1102	2SD601A-R	TRANSISTOR	1	
Q1103	2SB0709ALL	TRANSISTOR	1	
Q1901	XN1501	TRANSISTOR-RESISTOR	1	FOR VEP81233A
Q1903	2SJ278	TRANSISTOR	1	FOR VEP81233A
QR1901	UN2111	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1902	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1904	UNR221300L	TRANSISTOR	1	FOR VEP81233A
QR1905	UN2113	TRANSISTOR-RESISTOR	1	FOR VEP81233A
QR1906	UNR211200L	TRANSISTOR	1	FOR VEP81233A
QR1907	UNR221300L	TRANSISTOR	1	FOR VEP81233A
⚠ R1001	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
R1002-05	ERJ12YJ473	M.RESISTOR CH 1/2W 47K	4	
R1006	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
⚠ R1007	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1009	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1010,11	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	2	
R1012	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1013	ERX2SJR22	M.RESISTOR 2W 0.22	1	
R1014	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1017	ERG2SJ220	M.RESISTOR 2W 22	1	
R1018	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1019	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	1	
R1020	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1021	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1023	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
R1024	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1025	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1026	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1101	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1102	ERX2SJR33	M.RESISTOR 2W 0.33	1	
R1104	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1105	ERJ12YJ680	M.RESISTOR CH 1/2W 68	1	
R1108	ERG2SJ104	M.RESISTOR 2W 100K	1	
R1109	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1110	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1111	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1112	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1114	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1115,16	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1117	ERJ6RBD622	M.RESISTOR CH 1/10W 6.2K	1	
R1118	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R1119,20	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1121	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1122	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1123	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1124	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1125	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1127	ERG2SJ104	M.RESISTOR 2W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1901,02	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	FOR VEP81233A
R1903	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1904	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	FOR VEP81233A
R1905-07	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	FOR VEP81233A
R1908	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	FOR VEP81233A
R1909	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1910	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	FOR VEP81233A
R1911	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	FOR VEP81233A
R1912,13	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	FOR VEP81233A
R1915	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81233A
R1916	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	FOR VEP81233A
R1917	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	FOR VEP81233A
R1919	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1920,21	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	2	FOR VEP81233A
R1923	ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	D0GD225JA003 FOR VEP81233A
R1925	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	FOR VEP81233A
R1926-28	ERE050CHD1503	M.RESISTOR 150K	3	FOR VEP81233A
R1930	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003 FOR VEP81233A
R1931-33	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1934	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	FOR VEP81233A
R1935	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	FOR VEP81233A
R1936	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81233A
R1938	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003 FOR VEP81233A
R1944-46	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81233A
R1949,50	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	FOR VEP81233A
R1951	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP81233A
R1953	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	FOR VEP81233A
⚠ T1101	G4D2C0000005	TRANSFORMER	1	
⚠ TH1101	VRT0142	THERMISTOR	1	D4DDB3310005
TP1101	VJR0646	TEST POINT	1	D0X0R0000022
		MISCELLANEOUS		
⚠	VWZ0074	INSULATION COVER	1	
⚠	VMZ2187	INSULATION COVER	1	
⚠	VMZ1608	CAPACITOR TUBE	1	
	VMP5282	TRANSISTOR CLIP	1	
	VSC4861	HEAT SINK (C)	1	
	VSC4860	HEAT SINK (B)	1	
⚠	VMZ0965	CAPACITOR COVER	2	
	VSC3434	SHIELD CASE	1	
	XYN3+F8	SCREW	4	
	XTV3+8G	SCREW	1	
	VMP5283	EARTH LUG	2	
	XYN3+F6	SCREW	2	
	VMZ2908	HEAT SINK	2	
	VMZ2969	HEAT SINK	1	
	XYN3+J8	SCREW	4	
	VSC4972	POWER CASE (B)	1	
	VMZ3453	POWER TR SHEET A	1	
■ E11	VEP81219B	POWER 2 P.C.BOARD	1	(RTL)
C1201-03	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C1204	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1206	ECA1HXS100	E.CAPACITOR 50V 10U	1	
C1207	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	
C1208,09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1211	VCEA1DSP680	E.CAPACITOR 20V 68U	1	
C1212	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1213	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1214,15	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1301	ECA1HHGR33	E.CAPACITOR 50V 0.33U	1	
C1302	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1303,04	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1305	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1306	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1307	ECA1HHGR22	E.CAPACITOR 50V 0.22U	1	
C1308	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1309	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1310	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1311	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1312	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1313	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1314	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1316,17	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
C1318,19	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1325	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1326,27	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1328,29	VCEA1DSP680	E.CAPACITOR 20V 68U	2	
C1330-33	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C1335	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1336	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1337	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C1338	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1339	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1340	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1341	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1342	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1344	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1345	F2D1D1010001	E.CAPACITOR 20V 100U	1	
C1346	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1347,48	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1352,53	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1354	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1401	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U	1	
C1402	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1403	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C1404	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1405,06	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1411	ECUX1A105KBN	C.CAPACITOR CH 10V 1U	1	
C1412,13	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1414	VCEA1ASC4R7M	E.CAPACITOR 10V 4.7U	1	F2D1A4R70002
C1415-17	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	3	
C1418,19	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1420,21	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C1422,23	F2D1A1010002	E.CAPACITOR 10V 100U	2	
C1424,25	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1427	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
C1801	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1802	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1803	ECA1HXS2R2	E.CAPACITOR 50V 2.2U	1	
C1804	VCEA1CSC3R3M	E.CAPACITOR 16V 3.3U	1	
C1805	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1806	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1807	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1808	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1811	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1814,15	F2D1D6800001	E.CAPACITOR 20V 68P	2	
C1816,17	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C1818	F2D1A1010002	E.CAPACITOR 10V 100U	1	
C1819	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1820	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1821	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1822	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C1823	F2D1D6800001	E.CAPACITOR 20V 68P	1	
C1824	F2D1A1010002	E.CAPACITOR 10V 100U	1	
D1201	VSD0129	DIODE	1	
D1202	SF20SC3L	DIODE	1	B0JBSD000010
D1203	MA142WK	DIODE	1	
D1204	MA142WA	DIODE	1	
D1205	MA3100-M	DIODE	1	
D1206	MA142K	DIODE	1	
D1208	MA3200-M	DIODE	1	
D1209	MA8068-M	DIODE	1	
D1211	SFPB-54	DIODE	1	B0JCMC000002
D1212	MA142K	DIODE	1	
D1213	MA8100-M	DIODE	1	
D1214	MA142WK	DIODE	1	
D1215	MA3051-H	DIODE	1	
D1216	MA142K	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1301	MA152K	DIODE	1	
D1302-06	MA142K	DIODE	5	
D1308	SFPB-54	DIODE	1	B0JCMC000002
D1309-11	DE5SC4M-4061	DIODE	3	B0JDRE000001
D1312,13	MA142K	DIODE	2	
D1314	MA8180-M	DIODE	1	
D1315	MA142K	DIODE	1	
D1316	MA8180-M	DIODE	1	
D1317	MA142K	DIODE	1	
D1318	MAZ80820HL	DIODE	1	
D1319	MA142K	DIODE	1	
D1320	MA8130-M	DIODE	1	
D1321	MA142K	DIODE	1	
D1322	MA142WA	DIODE	1	
D1323	MA142K	DIODE	1	
D1324	MA152K	DIODE	1	
D1402,03	MA142WK	DIODE	2	
D1404,05	SFPB-76V	DIODE	2	
D1406,07	MAZ80680KL	DIODE	2	
D1408	MA142WA	DIODE	1	
D1409	MA142WK	DIODE	1	
D1801	MA142K	DIODE	1	
D1802	MAZ81400ML	DIODE	1	
D1803	MA142K	DIODE	1	
D1804	MAZ80680KL	DIODE	1	
D1805	MA142K	DIODE	1	
D1806	MA142WA	DIODE	1	
D1807	MA152K	DIODE	1	
D1808,09	MA142K	DIODE	2	
D1810,11	DE5SC4M-4061	DIODE	2	B0JDRE000001
⚠ F1201	K5D103AQ0001	FUSE	1	
IC1201	C0BBBA000019	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1301,02	BA9743AFV	IC	2	C0DBAZC00010
IC1401	C0DBAZB00006	IC	1	
IC1801	BA9743AFV	IC	1	C0DBAZC00010
L1301,02	VLQ0655K100	COIL 10UH	2	
L1303,04	J0JBC0000023	FILTER	2	
L1305	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1306	J0JBC0000023	FILTER	1	
L1307	VLQ0859M220	COIL 22UH	1	
L1308	VLQ0859M221	COIL 220U	1	
L1309	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1310	VLQ0859M221	COIL 220U	1	
L1311	VLQ0655K220	COIL 22UH	1	
L1312	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1313	VLQ0441K220	COIL 22UH	1	
L1314,15	VLQ0655K220	COIL 22UH	2	
L1316	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1317	J0JKC0000009	FILTER	1	
L1401-04	J0JBC0000023	FILTER	4	
L1405,06	VLQ0441K1R0	COIL 1.0UH	2	
L1407	VLQ0859M100	COIL 10UH	1	
L1408	VLQ0859M220	COIL 22UH	1	
L1409	VLQ0655M3R3	COIL 3.3UH	1	
L1410	VLQ0655K100	COIL 10UH	1	
L1801	VLQ0655K100	COIL 10UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804	VLQ0784331	COIL 330UH	1	
L1805	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
L1806	VLQ0859M221	COIL 220U	1	
L1807,08	VLQ0441K220	COIL 22UH	2	
L1809	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
P1201	K1KA06A00262	CONNECTOR	1	
P1202	VJP3957A002	CONNECTOR (MALE)	1	K1KA02A00169
P1203	VJP4232B030	CONNECTOR (MALE)	1	K1KA30B00031
P1204	VJP1596T	CONNECTOR (MALE)	1	K1KA03A00113
P1205	K1KA03A00017	CONNECTOR (MALE)	1	
Q1201,02	XN0121300L	TRANSISTOR-RESISTOR	2	
Q1203	XN0460100L	TRANSISTOR-RESISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1204-07	B1DGJG000005	TRANSISTOR	4	
Q1208,09	XN0440100L	TRANSISTOR	2	
Q1210	XN4501	TRANSISTOR-RESISTOR	1	
Q1211,12	2SD1819A-R	TRANSISTOR	2	
Q1301,02	XN4501	TRANSISTOR-RESISTOR	2	
Q1303,04	2SD1819A-R	TRANSISTOR	2	
Q1306,07	2SD1819A-R	TRANSISTOR	2	
Q1308	2SD1820A-R	TRANSISTOR	1	
Q1309-12	XN0440100L	TRANSISTOR	4	
Q1313	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1314	2SJ214S	TRANSISTOR	1	
Q1315	2SJ279S	TRANSISTOR	1	B1DGDG000002
Q1316,17	2SK1059-Z	TRANSISTOR	2	B1DFDG000001
Q1318,19	2SD1819A-R	TRANSISTOR	2	
Q1401-04	B1DFFD000006	FET	4	
Q1801	2SD1819A-R	TRANSISTOR	1	
Q1802	XN4501	TRANSISTOR-RESISTOR	1	
Q1803	2SD1819A-R	TRANSISTOR	1	
Q1805	2SD1819A-R	TRANSISTOR	1	
Q1807,08	XN0440100L	TRANSISTOR	2	
Q1809,10	2SJ279S	TRANSISTOR	2	B1DGDG000002
QR1201	UNR521300L	TRANSISTOR	1	
QR1202	UNR521100L	TRANSISTOR	1	
QR1203	UNR511300L	TRANSISTOR	1	
QR1204	UN5212	TRANSISTOR-RESISTOR	1	
QR1207	UN5212	TRANSISTOR-RESISTOR	1	
QR1208	UNR511300L	TRANSISTOR	1	
QR1210,11	UNR521100L	TRANSISTOR	2	
QR1301,02	UNR511200L	TRANSISTOR	2	
QR1303	UNR521100L	TRANSISTOR	1	
QR1304,05	UNR511200L	TRANSISTOR	2	
QR1306-08	UNR521100L	TRANSISTOR	3	
QR1309,10	UNR511300L	TRANSISTOR	2	
QR1801	UNR511300L	TRANSISTOR	1	
QR1802	UNR511200L	TRANSISTOR	1	
QR1803	UNR521100L	TRANSISTOR	1	
QR1804	UNR511200L	TRANSISTOR	1	
QR1805	UNR521100L	TRANSISTOR	1	
R1201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1202-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1207,08	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	2	
R1209	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1210	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1211	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1212	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1213	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1215	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1217	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1220,21	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1222	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1223	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1224	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1225	ERJ3RBD513	M.RESISTOR CH 1/16W 51K	1	
R1227,28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1229	VRE0222J33M	M.RESISTOR	1	
R1230	VRE0222J10M	M.RESISTOR	1	
R1231,32	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R1233,34	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	2	
R1235	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1236,37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1238,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1240	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1241	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1243	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1244	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	D0GD220JA003
R1248	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1249	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1252	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1303-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R1307,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R1309-12	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1313,14	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1316	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1317	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1318	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1322	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1323	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1324,25	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1326	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1327-29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R1330	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1331	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1332,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1334	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1335	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R1336	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1338	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1339,40	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1341	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1342	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1344	VRE0202H18	M.RESISTOR CH 0.18	1	
R1345,46	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1347	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1348	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1349	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1350	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1351	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1352	VRE0202HR10	M.RESISTOR CH 1	1	
R1355	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1357,58	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1359	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1360	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1364,65	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1366	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1368	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1371	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1372	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1373	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1374,75	ERJ6RBD911	M.RESISTOR CH 1/10W 910	2	
R1376	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R1377	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	
R1378,79	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1380	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R1381	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1382	ERJ6RBD111	M.RESISTOR CH 1/10W 110	1	
R1383	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1384,85	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1386,87	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1388	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1390	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1392	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1393	ERJ6RBD751	M.RESISTOR CH 1/10W 750	1	
R1394	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1395	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R1403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1404	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1407,08	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R1409,10	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R1416	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1417,18	VRE0202H12	M.RESISTOR CH 0.12	2	
R1419,20	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1421	ERJ6RBD432	M.RESISTOR CH 1/10W 4.3K	1	
R1422	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1423,24	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1425	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1801,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1803,04	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R1805,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1807-10	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R1812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1813	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1814	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1815	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1817	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R1818	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1819	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1820	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1821	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1822	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1823	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1824,25	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R1828	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1829	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	1	
R1830,31	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	2	
R1832	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1833	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1834	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1835	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1838,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1843	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1844	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1845	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1846	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R1847	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
R1848	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1849	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1850	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
T1301	VLT0925	TRANSFORMER	1	G4ZZ00000377
⚠ TH1205	VRT0148050	THERMISTOR	1	D4ZZ00000006
TH1206	VRT0143	THERMISTOR	1	
TP1301-06	EYF6CU	TEST POINT	6	
TP1401,02	EYF6CU	TEST POINT	2	
TP1801,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	EYF52BC	FUSE HOLDER	2	
	VJR1008	EARTH LUG	4	
	VSC4859	HEAT SINK (A)	1	
	XYN3+F8	SCREW	1	
	XYN3+J8	SCREW	1	
■ E12	VEP81232B	POWER 3 P.C.BOARD	1	(RTL)
C1502	EEFCD0K330R	E.CAPACITOR 8V 33U	1	
C1503	ECA0JHG471B	E.CAPACITOR 6.3V 470U	1	
C1504	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C1505	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1506	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1507	EEUFC1V561S	E.CAPACITOR 35V 560U	1	
C1508	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1509	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1510,11	ECA1CHG472	E.CAPACITOR 16V 4700U	2	
C1601	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1609	ECJ2VC1H222J	C.CAPACITOR CH 50V 2200P	1	
C1613	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1614	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1616	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1620	ECJ2XC1H331J	C.CAPACITOR CH 50V 330P	1	
C1621	ECUM1H100JCN	C.CAPACITOR CH 50V 10P	1	
C1630	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1631	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	1	
C1701,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1703	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1704,05	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	2	
C1706,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1708,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1710,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1712,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1714,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1716,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C1718,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1720,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1722	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1801,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C1803	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C1804,05	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C1806,07	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C1808,09	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C1810,11	F2H1D470A004	E.CAPACITOR CH 20V 47U	2	
C1812,13	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1814,15	EEUFC1A391	E.CAPACITOR 10V 390U	2	
C1816,17	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C1818,19	EEFCD0J470R	E.CAPACITOR 6.3V 47U	2	
C1820,21	ECJ2YB1H104K	C.CAPACITOR CH 50V 0.1U	2	
C1822	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
D1501	MA3051-H	DIODE	1	
D1502,03	MA115	DIODE	2	
D1504	MA3270-M	DIODE	1	
D1505	NSQ03A04	DIODE	1	B0JCPE000013
D1506	MA3062M	DIODE	1	
D1507	MA142K	DIODE	1	
D1606	MAZ82200ML	DIODE	1	
D1609	MA142WK	DIODE	1	
D1610	NSQ03A04	DIODE	1	B0JCPE000013
D1611	MA142WK	DIODE	1	
D1701	MA720	DIODE	1	
D1703,04	NSQ03A04	DIODE	2	B0JCPE000013
D1705,06	MA8056-MH	DIODE	2	
D1708	MA142WK	DIODE	1	
D1710	MA720	DIODE	1	
D1711	MA142WK	DIODE	1	
D1720,21	MA8030-H	DIODE	2	
D1803,04	NSQ03A04	DIODE	2	B0JCPE000013
D1805,06	MA8056-MH	DIODE	2	
D1807	MA142WA	DIODE	1	
D1808	MA142WK	DIODE	1	
D1809,10	MA720	DIODE	2	
D1811	MA8030-H	DIODE	1	
D1813	MA8030-H	DIODE	1	
IC1501	C0ABBA000071	IC	1	
IC1602	C0DBAKG00004	IC	1	
IC1702,03	C0DBAGH00030	IC	2	
IC1801,02	C0DBAGH00030	IC	2	
JP1501-03	VJR1008	EARTH LUG	3	
L1501	G1A220F00006	COIL 22UH	1	
L1602	G1A4R7H00002	COIL 4.7UH	1	
L1603	VLQ0859M470	COIL 47UH	1	
L1604	J0JKC0000009	FILTER	1	
L1605	J0JBC0000023	FILTER	1	
L1609	G1A4R7H00002	COIL 4.7UH	1	
L1701	G1A4R7H00002	COIL 4.7UH	1	
L1702,03	J0JBC0000023	FILTER	2	
L1704,05	J0JKC0000009	FILTER	2	
L1706,07	VLQ0859M470	COIL 47UH	2	
L1709	G1A4R7H00002	COIL 4.7UH	1	
L1712	G1A4R7H00002	COIL 4.7UH	1	
L1801	G1A4R7H00002	COIL 4.7UH	1	
L1802,03	J0JBC0000023	FILTER	2	
L1804,05	J0JKC0000009	FILTER	2	
L1806,07	VLQ0859M100	COIL 10UH	2	
L1812	G1A4R7H00002	COIL 4.7UH	1	
P1501	VJP3926A024	CONNECTOR (MALE)	1	
P1502	K1KA06A00031	CONNECTOR (MALE)	1	
P1503	K1KA08A00119	CONNECTOR (MALE)	1	
Q1501	2SD601A-R	TRANSISTOR	1	
Q1502	2SC3074Y	TRANSISTOR	1	B1BADF000002
Q1503	2SB936A-Q	TRANSISTOR	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1504	2SD1819A-R	TRANSISTOR	1	
Q1602	B1DFFD000006	FET	1	
Q1701-04	B1DFFD000006	FET	4	
Q1705,06	2SD1819A-R	TRANSISTOR	2	
Q1708,09	2SD1819A-R	TRANSISTOR	2	
Q1801-04	B1DFFD000006	FET	4	
R1501	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R1502,03	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1504,05	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R1506	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1507	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1508	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1509	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R1510-12	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R1513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1609	ERJL1WKJ47M	M.RESISTOR CH 1W	1	
R1619	ERJ6RED474	M.RESISTOR CH 1/10W 470K	1	
R1623	ERJ6RBD243	M.RESISTOR CH 1/10W 24K	1	
R1626	ERJ6RBD393	M.RESISTOR CH 1/10W 39K	1	
R1627	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R1628	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R1648	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1650	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
⚠ R1659	K5H312300003	FUSE	1	
R1701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1705,06	ERJL1WKJ47M	M.RESISTOR CH 1W	2	
R1707,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1711,12	ERJ6RED184	M.RESISTOR CH 1/10W 180K	2	
R1713	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1714	ERJ6RED154	M.RESISTOR CH 1/10W 150K	1	
R1715	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1716	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R1717,18	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1719	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1721,22	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R1723,24	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1725	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1730,31	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R1801,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1805,06	VRE0202H22M	M.RESISTOR	2	
R1807,08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1809	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1810	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1811	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1812	ERJ6RED274	M.RESISTOR CH 1/10W 270K	1	
R1813	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R1814	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1815,16	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1820,21	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
T1501	VLT0889	TRANSFORMER	1	G4ZZ00000368
		MISCELLANEOUS		
	VSC5620	SHIELD A	1	
	VMP5861	P.C.B. HOLDER ANGLE (L)	1	
	VMP5862	P.C.BOARD FIX ANGLE (R)	1	
	XTV3+6F	SCREW	2	
	VKC0295	BOARD SPACER	1	
■ E13	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
P1,P2	K1KB06B00035	CONNECTOR (FEMALE)	2	
■ E14	VEP80C73B	MOTHER P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
JP1-P6	VJR1008	EARTH LUG	6	
P101	K1KA08A00441	CONNECTOR (MALE)	1	
P103-05	K1KA08A00441	CONNECTOR (MALE)	3	
P111	VJS4232A030	CONNECTOR (FEMALE)	1	K1KB30A00003
P112	VJP3926A024	CONNECTOR (MALE)	1	
P201-05	VJS4064N160E	CONNECTOR (FEMALE)	5	K1KAG0A00006
P206	VJS4064K140E	CONNECTOR (FEMALE)	1	K1KAE0A00007
P301,02	VJS3600F030K	CONNECTOR (FEMALE)	2	
P303	VJS3406D020	CONNECTOR (FEMALE)	1	K1MN20B00029
P401,02	K1MN40A00007	CONNECTOR	2	
P403	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
		MISCELLANEOUS		
	VKC0295	BOARD SPACER	2	
	VEE1A29	SHIELD CABLE	1	
	VJF0300	A/C HEAD BINDER	1	
■ E15	VEP86343A	FRONT P.C.BOARD	1	(RTL)
C1-C3	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	3	F1J1H121A025
C4,C5	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	F1J1H101A025
C6-C8	F1L1A4760003	C.CAPACITOR CH 16V 47U	3	
C9-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C13	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C14,15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C16	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C18	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C100	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C101-04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C200	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
D1-D5	MA3X15300L	DIODE	5	
D200-04	LN38GCPP	LED	5	
DP100	VSL0489	DISPLAY	1	A2BA00000191
IC1	C2CBKJ000078	IC	1	
IC2	TL7705CPSB	IC	1	C0EBS0000002
IC3	C0JBAB000350	IC	1	
IC100,01	MN12511S	IC	2	
ID0	VVVSI4330A	SOFTWARE	1	DOWNLOAD ONLY
J1	VJJ0571	JACK	1	
L1,L2	G1C101K00022	COIL 100UH	2	
P1	VJS3537B024G	CONNECTOR (FEMALE)	1	K1MN24B00048
P2	K1KA03A00017	CONNECTOR (MALE)	1	
P3	K1KA06A00031	CONNECTOR (MALE)	1	
P200	VJS4243B018	CONNECTOR (FEMALE)	1	K1MN18B00032
Q100-06	2SB710A-R	TRANSISTOR	7	
Q200-11	2SD0601ARL	TRANSISTOR	12	
QR100-06	MUN2213	TRANSISTOR-RESISTOR	7	
R3	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
⚠ R4	K5H1023A0001	FUSE	1	
R5	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R6,R7	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R8,R9	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R11	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	D0GD105JA003

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12,13	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R14-17	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	
R18,19	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R20-22	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	3	
R23	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R24	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R25	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R107	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R108	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R109	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R110	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R111	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R112	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R113	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R114	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R115	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R116	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R117	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R118	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R119	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R120	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R121-27	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	7	
R200-02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R203	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R204,05	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R206	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R207	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R208-10	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	3	
R211	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R212	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R213,14	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R215	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R216	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R217,18	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R219	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R220	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R221,22	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R224	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R225	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R226	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R227,28	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	D0GD332JA003
R229	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R230	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R231	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
SW203	VSS0249	SWITCH	1	K0D113A00050
SW205	VSS0250	SWITCH	1	K0D112A00104
SW206	VSS0249	SWITCH	1	K0D113A00050
SW65102	EVQQS307K	SWITCH	1	
SW65105	EVQQS307K	SWITCH	1	
SW65107,08	EVQQS307K	SWITCH	2	
VR1	EVJYM0F15C23	V.RESISTOR 2K	1	
X1	H0J100500016	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF1360	DISPLAY HOLDER	1	
	VGQ0458	SPACER	5	
	QJT0015	GND TERMINAL	1	
■ E16	VEP83626A	V JACK P.C.BOARD	1	(RTL)
C1,C2	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3,C4	EEFCD0K330R	E.CAPACITOR 8V 33U	2	
C5,C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C7	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C9,10	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C12-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C17,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C19	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C21,22	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C23,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C25	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C26,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C28	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
D1	MA3062M	DIODE	1	
D3,D4	MA3062M	DIODE	2	
D5	MA716	DIODE	1	
D6	MA142K	DIODE	1	
D7	MA3062M	DIODE	1	
IC1	C0CBADD00003	IC	1	
IC2	XC62DN5002M	IC	1	
J1-J3	K1QBB2AA0005	CONNECTOR	3	
J4	K2HA205A0004	JACK	1	
J5	K1QBB2AA0005	CONNECTOR	1	
L1,L2	VLP0183	COIL	2	J0JKC0000007
L3-L8	VLP0145	COIL	6	
P1,P2	VJS3421A020	CONNECTOR (FEMALE)	2	K1MN20A00027
P3	VJP3414A009	CONNECTOR (MALE)	1	K1FB109A0016
Q1	XN4501	TRANSISTOR-RESISTOR	1	
Q3,Q4	XN4501	TRANSISTOR-RESISTOR	2	
Q5	2SA1532-B	TRANSISTOR	1	
Q6	XN4501	TRANSISTOR-RESISTOR	1	
Q7	2SC2295	TRANSISTOR	1	
R1	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3,R4	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R5	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7,R8	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R9	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R11,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R13,14	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R17-20	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	4	
R21	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R22	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R23	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R26	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R27	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R31	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R32	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33,34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R35	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R39	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40,41	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R42	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R43	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R44	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
SW1	VSS0307	SWITCH	1	K0D122A00105
		MISCELLANEOUS		
	VMP5301	D SUB HOLDER ANGLE	1	
■ E17	VEP84394B	A JACK P.C.BOARD	1	(RTL)
C201-04	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C229-32	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
J201,02	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J203,04	K1AB103A0007	CONNECTOR (MALE)	2	
J205,06	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J207,08	K1AB103A0007	CONNECTOR (MALE)	2	
L201	VLP0145	COIL	1	
L203	VLP0145	COIL	1	
L205,06	VLP0145	COIL	2	
L208	VLP0145	COIL	1	
L210	VLP0145	COIL	1	
L212	VLP0145	COIL	1	
L214,15	VLP0145	COIL	2	
L217	VLP0145	COIL	1	
L219,20	VLP0145	COIL	2	
L222	VLP0145	COIL	1	
L224,25	VLP0145	COIL	2	
L227	VLP0145	COIL	1	
L229-31	VLP0145	COIL	3	
L233	VLP0145	COIL	1	
L235,36	VLP0145	COIL	2	
L238	VLP0145	COIL	1	
L240	VLP0145	COIL	1	
P201	VJS3421A028	CONNECTOR (FEMALE)	1	K1MN28A00007
■ E18	VEP86344A	KEY P.C.BOARD	1	(RTL)
P301	VJS2582B018	CONNECTOR (FEMALE)	1	K1MN18B00028
R301,02	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R303	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R304	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R305	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R306	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R307	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R308	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R309	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R310	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R311	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R312	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R313	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R314	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R315	ERJ14YJ181	M.RESISTOR CH 1/4W 180	1	
SW301	VST0331	SWITCH	1	K0C112B00006
SW302	VSP0853A000	SWITCH	1	K0F111A00235
SW303	VSP0792	SWITCH	1	K0F111A00280
SW304	K0F111A00426	SWITCH	1	
SW305	VSP0791	SWITCH	1	K0F111A00279
SW306	VSP0790	SWITCH	1	K0F111A00278
SW307	VSP0793	SWITCH	1	K0F111A00281
SW308	VSP0789	SWITCH	1	K0F111A00283
■ E19	VEP86346A	REC VR P.C.BOARD	1	(RTL)
P65401	VJP1610T	CONNECTOR (MALE)	1	K1KA06B00059
VR65401,02	EVU023003B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E69	REC VR CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E20	VEP86347A	PB VR P.C.BOARD	1	(RTL)
P65301	VJP1611T	CONNECTOR (MALE)	1	K1KA07B00032
VR65301,02	EVU023006B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E70	PB VR CABLE	1	
■ E21	VEP86345A	FRONT CONNECT P.C.BOARD	1	(RTL)
C66000	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66001	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C66002	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C66003	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
IC66000	TL7705CPSB	IC	1	C0EBS0000002
P66001,02	VJS3537A024G	CONNECTOR (FEMALE)	2	K1MN24A00027
P66003	VJP1599T	CONNECTOR (MALE)	1	K1KA06A00125
P66004	VJP1600T	CONNECTOR (MALE)	1	K1KA07A00066
P66005	K1KA03A00017	CONNECTOR (MALE)	1	
R66000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R66001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	
■ E23	VEP82249B	SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C9,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C11,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C17,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C19,20	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C21-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C28,29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C30	F1J0J475A006	C.CAPACITOR CH6.3V 4.7U	1	
C100	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C101-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C109-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C112-15	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C116,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C209,10	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C211	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C218	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C219,20	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C222	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C304	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C305,06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C307	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C308-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C315,16	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C317-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C322	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C323	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C324,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C326,27	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C328	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C350-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C400,01	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C403-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C407,08	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C409	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C410,11	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C412-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C417,18	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C450,51	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C452,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C454,55	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C456-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C700-02	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	F1J1H103A010
C703	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C704	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C705	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C706	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C707	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C708,09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C710	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C711,12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C713-15	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C716	F1K0J1060002	C.CAPACITOR CH6.3V 10U	1	
C717,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C719	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C720	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C721	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C722,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C724	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C725	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C726,27	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C800-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C807	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C808	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C809	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C810	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C811	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C812-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C815	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C816	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C817,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C819,20	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C900	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C901	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C902	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C903	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C904,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C906	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C907	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C908	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C909	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C910	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C911	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C5001,02	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5003,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5005	F2H1D470A004	E.CAPACITOR CH 20V 47U	1	
C5006	EEVHB1E470P	E.CAPACITOR 25V 47U	1	
C5007,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5009,10	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5011,12	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C5013,14	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C5015,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6001	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6002	VCE0180	E.CAPACITOR 25V 100U	1	F2G1E1010003
C6003,04	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C6005	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6006,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C6008,09	VCE0180	E.CAPACITOR 25V 100U	2	F2G1E1010003
C6010-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6013	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6014	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C6015	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6016	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6017	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6018-20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6021,22	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D8	MA147	DIODE	1	
D300-02	MA147	DIODE	3	
D403,04	MA142K	DIODE	2	
D405-07	MA147	DIODE	3	
D408	MA142K	DIODE	1	
D450,51	MA142K	DIODE	2	
D800	MA142WK	DIODE	1	
D801	MA142K	DIODE	1	
D802-05	MA142WK	DIODE	4	
D806	MA147	DIODE	1	
D807,08	MA142WK	DIODE	2	
D809	MA142WA	DIODE	1	
D810	MA8051-M	DIODE	1	
D811	MA8082-H	DIODE	1	
D812	MA142WK	DIODE	1	
D813	MA142K	DIODE	1	
D814	MAZ80330HL	DIODE	1	
D815	MA8039-H	DIODE	1	MAZ80390HL
D5001,02	MA2J72800L	DIODE	2	
D5003,04	MA2Q73600L	DIODE	2	
D6001,02	MA2J72800L	DIODE	2	
D6003,04	MA2Q73600L	DIODE	2	
D6005	MA142K	DIODE	1	
IC1	TC4052BF	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	C0JBAZ000994	IC	1	
IC4	TC4052BF	IC	1	
IC5-C8	C0ABBB000179	IC	4	
IC9,10	C0ABBB000184	IC	2	
IC11,12	C0BBBA000044	IC	2	
IC13	C0JBAZ000994	IC	1	
IC17	C0ABBB000184	IC	1	
IC20	C0BBBA000044	IC	1	
IC23	C0JBAB000397	IC	1	
IC24	C0JBAZ001121	IC	1	
IC26-28	C0JBAZ001121	IC	3	
IC29	C0JBAZ001003	IC	1	
IC33-35	C0ABBB000179	IC	3	
IC36,37	C0ABBA000075	IC	2	
IC38	C0BBBA000044	IC	1	
IC41	C0BBBA000044	IC	1	
IC42	C0ABBB000184	IC	1	
IC46	C0JBAF000487	IC	1	
IC47,48	C0JBAM000111	IC	2	
IC49	C0JBAZ001120	IC	1	
IC50	C0JBAM000111	IC	1	
IC51	C0JBAZ001120	IC	1	
IC52	C0JBAM000111	IC	1	
IC53	C0ABBA000075	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC54	C0BBBA000044	IC	1	
IC302	MN1030F04KHF	IC	1	
IC350	X9288L7T144	IC	1	
IC351	X9144L7T100	IC	1	
IC400	M62370GP	IC	1	C0FBBD000082
IC700	AN3890FBS	IC	1	
IC701	TB6519F	IC	1	C0GBY0000011
IC900	C0CBABD00005	IC	1	
IC5001,02	MN13821-S	IC	2	
IC6001	TL1451CNS	IC	1	C0DBAMA00001
ID0	VVVSI4281A	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4289A	SOFTWARE	1	DOWNLOAD ONLY
J900-02	K4CD01000007	CABLE TERMINAL	3	
L900-04	VLF1151A132	COIL	5	
L5001,02	VLQ0407120M	COIL 12UH	2	G0A120HA0007
L5003,04	VLQ0650M151	COIL 150UH	2	G1C151MA0016
L6001,02	VLQ0650M151	COIL 150UH	2	G1C151MA0016
P300	VJS3791B020	CONNECTOR (FEMALE)	1	
P350	K1KA08B00147	CONNECTOR (FEMALE)	1	
P900,01	K1MN40A00007	CONNECTOR	2	
P902	K1KA08A00119	CONNECTOR (MALE)	1	
P903	K1KBA0A00084	CONNECTOR (FEMALE)	1	
Q450,51	2SD601A	TRANSISTOR	2	
Q700	PU3210	TRANSISTOR	1	PUA3210
Q701	PU3110	TRANSISTOR	1	PUA3110
Q702	2SB1073-R	TRANSISTOR	1	
Q703	2SD1119-R	TRANSISTOR	1	
Q704	2SB1073-R	TRANSISTOR	1	
Q705	2SD1119-R	TRANSISTOR	1	
Q706	2SB1073-R	TRANSISTOR	1	
Q707	2SD1119-R	TRANSISTOR	1	
Q800	2SB710A	TRANSISTOR	1	
Q801,02	2SB1073-R	TRANSISTOR	2	
Q5001,02	2SD1819A-R	TRANSISTOR	2	
Q5003	2SB1174-Q	TRANSISTOR	1	2SB11740Q
Q5004	2SB1073	TRANSISTOR	1	
Q5005,06	2SD1819A-R	TRANSISTOR	2	
Q6001,02	2SB1174-Q	TRANSISTOR	2	2SB11740Q
QR1-R4	UNR521300L	TRANSISTOR	4	
QR9	UNR521300L	TRANSISTOR	1	
QR700	UNR521300L	TRANSISTOR	1	
QR701	UN5217	TRANSISTOR-RESISTOR	1	
QR702	UNR521300L	TRANSISTOR	1	
QR703	UNR521400L	TRANSISTOR-RESISTOR	1	
QR800	UNR521400L	TRANSISTOR-RESISTOR	1	
QR801	UNR511300L	TRANSISTOR	1	
QR802	UNR521400L	TRANSISTOR-RESISTOR	1	
QR803	UNR521300L	TRANSISTOR	1	
QR806	UNR521300L	TRANSISTOR	1	
QR807,08	UNR521400L	TRANSISTOR-RESISTOR	2	
QR809	UNR521300L	TRANSISTOR	1	
QR810	UNR511300L	TRANSISTOR	1	
QR811-15	UNR521400L	TRANSISTOR-RESISTOR	5	
QR816	UNR511300L	TRANSISTOR	1	
QR5001,02	UNR521300L	TRANSISTOR	2	
QR6001,02	UNR511100L	TRANSISTOR	2	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R8	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R9	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R10	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R11	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R15	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R17	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R22	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R23	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R24	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R25	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R28	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R29	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R30	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R35	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R40,41	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R42,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R46,47	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R51	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R54	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R55	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R56	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R57,58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R101	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R102	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R103	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R104	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R105	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R106	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R108	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R109	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R110	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R111	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R112	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R113	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R114	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R115	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R116-19	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R120,21	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R122-25	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R126-29	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R130-33	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R134-37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R138	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R139	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R140	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R141	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R142,43	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R144,45	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R146-49	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R201	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R203	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R204	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R209	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R210	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R211	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R212	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R213,14	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R218,19	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R220,21	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R226,27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R234,35	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R238,39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R240,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R242,43	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R244,45	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R300	EXBV8V470J	COMBI.R-R 47	1	
R301,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R303	EXBV8V470J	COMBI.R-R 47	1	
R304-06	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R307-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R310	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R311	EXBV8V473J	COMBI.R-R 47K	1	
R312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R313	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R315,16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R317	EXBV8V101J	COMBI.R-R 100	1	
R318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R319	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R320	EXBV8V470J	COMBI.R-R 47	1	
R321	EXBV8V473J	COMBI.R-R 47K	1	
R322,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R324	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R326	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R329	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R330-35	EXBV8V470J	COMBI.R-R 47	6	
R336	EXBV8V473J	COMBI.R-R 47K	1	
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R339	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R343	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R350	EXBV8V102J	COMBI.R-R 1K	1	
R351	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R352	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R357	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R358	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R359,60	EXBV8V470J	COMBI.R-R 47	2	
R361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R362	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R366,67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R368	EXBV8V470J	COMBI.R-R 47	1	
R369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R370	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R400,01	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R402,03	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R407-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R410,11	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R412,13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R414,15	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R417	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R419	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R420,21	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R422	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R423	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R424-26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R428	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R429	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R430	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R432	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R450,51	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R452	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R453,54	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R455	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R456-59	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R460,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R700-02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R703	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R704	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R705	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R706,07	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R708	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R709	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	

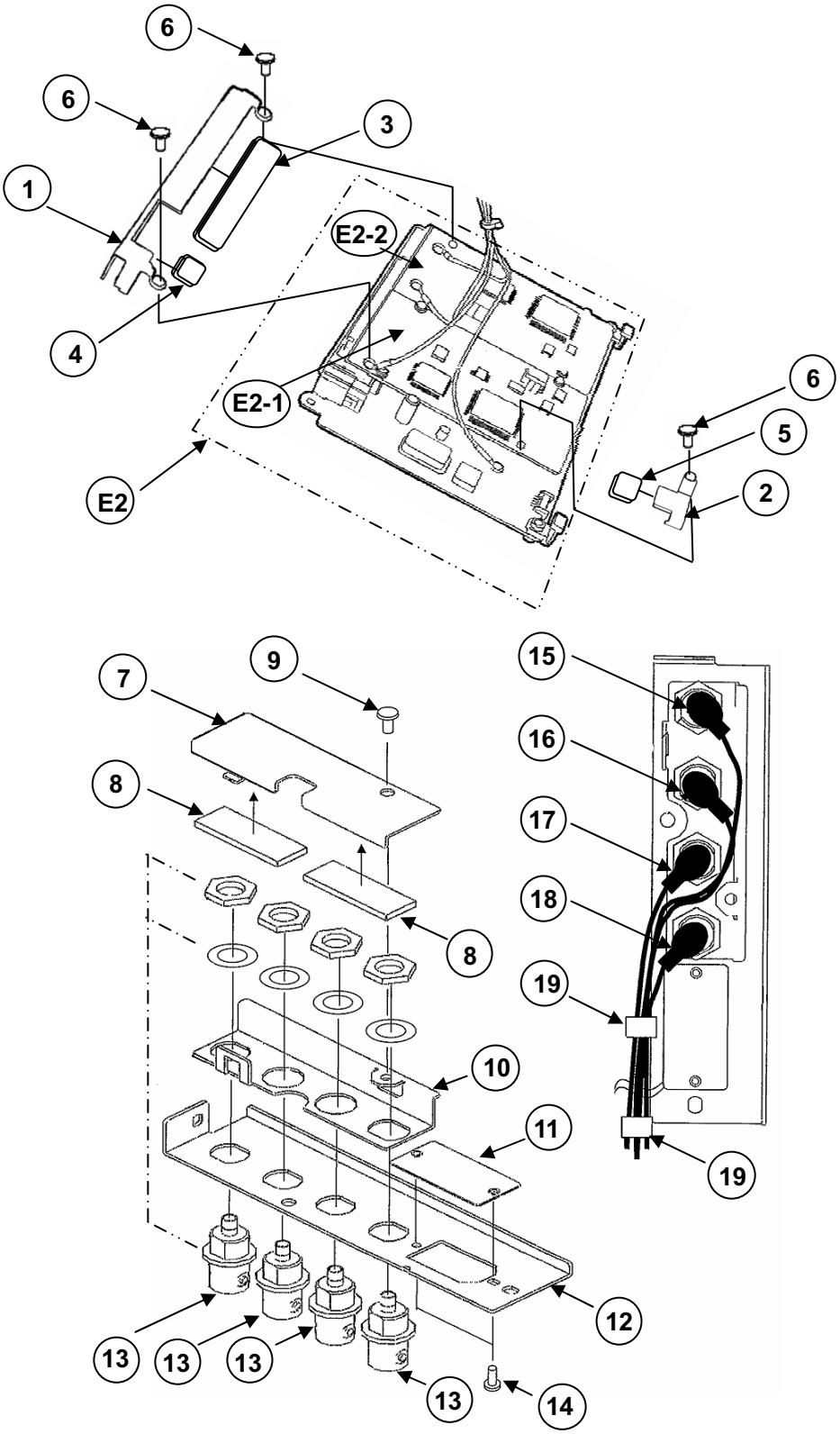
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R710,11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R712	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R713	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R714	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R716-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R719	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R720-22	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R800	EXBV8V473J	COMBI.R-R 47K	1	
R801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R802	EXBV8V473J	COMBI.R-R 47K	1	
R803	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R804	EXBV8V473J	COMBI.R-R 47K	1	
R805	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R806	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R807	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R808	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R809	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R811	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R812-15	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R818	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R819	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R820	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R823	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R824	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R825	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R826	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R827,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R829-33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R834-36	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R837,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R839	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R840	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R841	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R842	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R843,44	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R845,46	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R847,48	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R900	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R907-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5002	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5003	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5004	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R5005-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5009	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R5010	K5H2523A0001	FUSE	1	
R5013,14	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R5015,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5017,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5019,20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5021,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5023,24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5025,26	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R5027-30	ERJ12YJ222	M.RESISTOR CH 1/2W 2.2K	4	
R5031,32	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R6001	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R6003,04	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R6005,06	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R6007,08	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R6009	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6010	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6011	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6012	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R6013	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6014	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6017,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6022,23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6025	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6026	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6027,28	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6029,30	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R6031	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6032	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6033	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6034,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R6036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
TG450	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP104-07	EYF6CU	TEST POINT	4	
TP204,05	EYF6CU	TEST POINT	2	
TP350-53	EYF6CU	TEST POINT	4	
TP371	EYF6CU	TEST POINT	1	
TP409	EYF6CU	TEST POINT	1	
TP800,01	EYF6CU	TEST POINT	2	
TP900	EYF6CU	TEST POINT	1	
X300	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

BOARD / JACK PANEL ASSEMBLY (AJ-YA120AG)

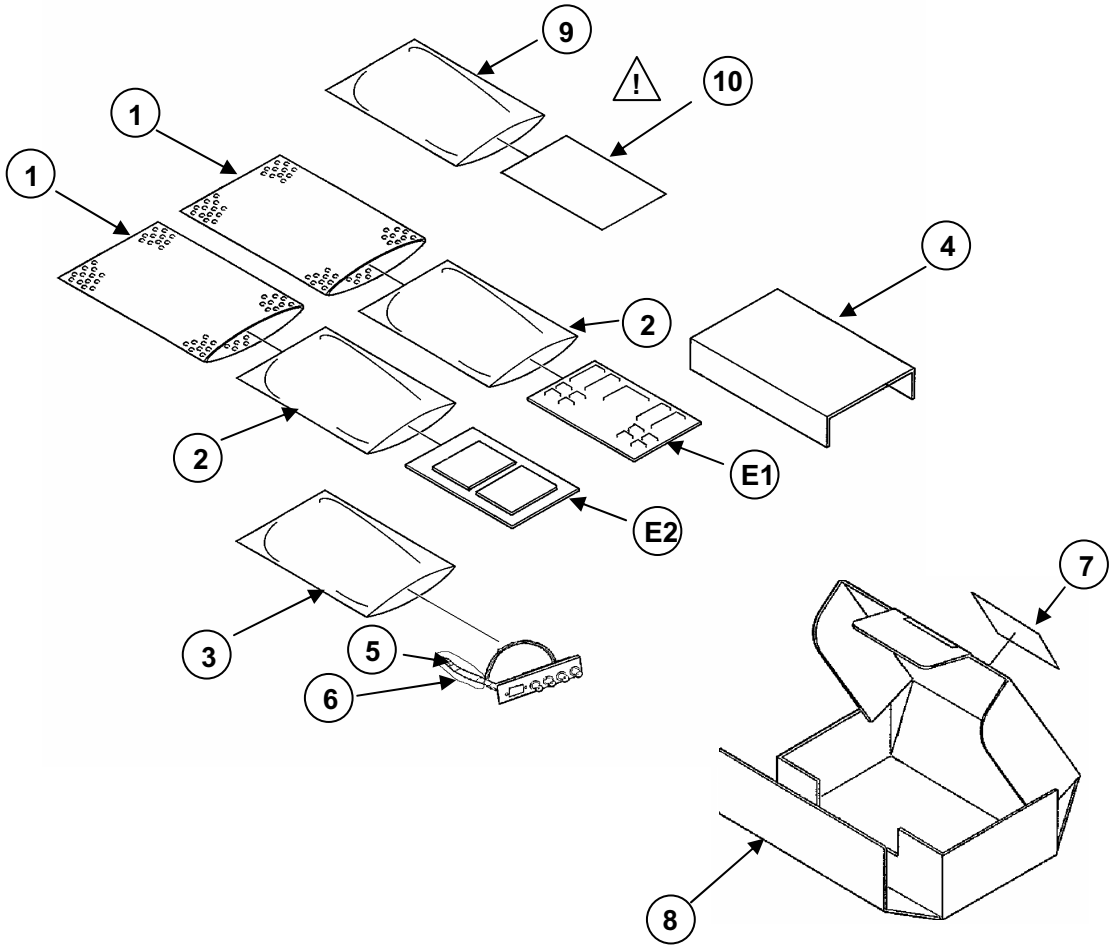


BOARD/JACK PANEL ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP6727	CONNECTOR MOUNT PLATE A	1	
2	VMP7966	CONNECTOR MOUNT PLATE B	1	
3	VMX3062	BNC CNCT HOLDER RUBBER	1	
4	VMX3064	CONNECTOR HOLDER RUBBER C	1	
5	VMX3405	CONNECTOR HOLDER RUBBER E	1	
6	XYN26+J6	SCREW	3	
7	VMP7964	BNC CONNECTOR SUPPORTER	1	
8	VMX3406	SUPPORT RUBBER (F)	2	
9	XTV3+6F	SCREW	1	
10	VMP7963	BNC CONNECTOR BASE PLATE	1	
11	VMP7965	BLIND PANEL	1	
12	VMP7958	OPTION PANEL	1	
13	K1SMBDBA0001	BNC	4	
14	XSB2+6FZ	SCREW	2	
15	VEE0E46380	COAXIAL CABLE	1	
16	VEE0E48380	COAXIAL CABLE	1	
17	VEE0E47380	COAXIAL CABLE	1	
18	VEE0E12380	COAXIAL CABLE	1	
19	VJF0300	A/C HEAD BINDER	3	
E2	VEP83634B	SGEN SDI P.C.BOARD	1	
E2-1	VEP83631A	HD SDI RX P.C.BOARD	1	FOR VEP83634B
E2-2	VEP83632A	HD SDI TX P.C.BOARD	1	FOR VEP83634B

PACKING ASSEMBLY (AJ-YA120AG)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.



PACKING PARTS ASSEMBLY

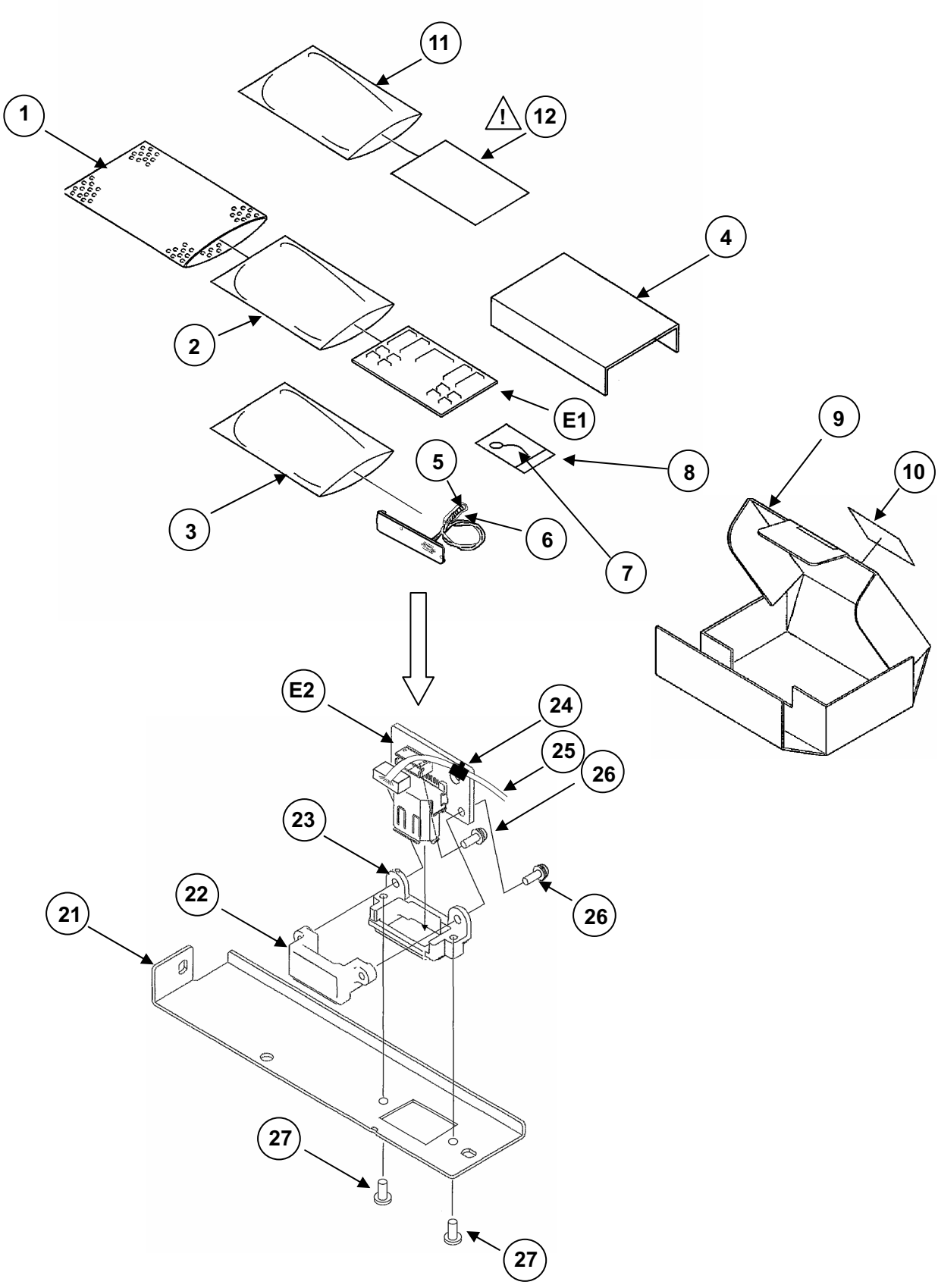
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPF0678	CUSHION BAG	2	
2	VPF0359	CONDUCTION BAG	2	
3	VPF0679	POLYETHYLENE BAG	1	
4	VPN5312	CUSHION	1	
5	VPF1016	POLYETHYLENE BAG (INNER)	1	
6	VPF0892	POLYETHYLENE BAG (OUTER)	1	
7	VQL9822	PACKING LABEL	1	
8	VPG6296	PACKING CASE	1	
9	VPF0681	POLYETHYLENE BAG	1	
⚠ 10	VQT0L39	OPERATING INSTRUCTIONS	1	
E1	VEP83573H	I/O CONV P.C.BOARD	1	
E2	VEP83634B	SGEN SDI P.C.BOARD	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PACKING / JACK PANEL ASSEMBLY (AJ-YAD120AG)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.



PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPFO678	CUSHION BAG	1	
2	VPFO359	CONDUCTION BAG	1	
3	VPFO679	POLYETHYLENE BAG	1	
4	VPN5312	CUSHION	1	
5	VPFO508	POLYETHYLENE BAG (INNER)	1	
6	VPFO892	POLYETHYLENE BAG (OUTER)	1	
7	VJFO300	BIND	1	
8	VPF1016	POLYETHYLENE BAG	1	
9	VPG6296	PACKING CASE	1	
10	VQL9822	PACKING LABEL	1	
11	VPFO681	POLYETHYLENE BAG	1	
⚠ 12	VQTO140	OPERATING INSTRUCTIONS	1	
E1	VEP83651A	1394 IF P.C. BOARD	1	
21	VMP7959	OPTION PANEL	1	
22	VJF1490	CONNECTOR HOLDER (A)	1	
23	VJF1491	CONNECTOR HOLDER (B)	1	
24	VJFO300	BIND	1	
25	VEEOX36	DIF CABLE	1	
26	XYN2+J6	SCREW	2	
27	XSB2+6FZ	SCREW	2	
E2	VEP80D12A	CN P.C. BOARD	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

ELECTRICAL REPLACEMENT PARTS LIST
(AJ-YA120AG)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83573H	I/O CONV P.C.BOARD	1	(RTL)
■ E2	VEP83634B	SGEN SDI P.C.BOARD	1	(RTL)
■ E2-1	VEP83631A	HD SDI RX P.C.BOARD	1	(RTL)FOR VEP83634B
■ E2-2	VEP83632A	HD SDI TX P.C.BOARD	1	(RTL)FOR VEP83634B
■ E1	VEP83573H	I/O CONV P.C.BOARD	1	(RTL)
C100	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C102	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C103	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C104,05	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C106-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C112	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C113,14	EEFCD0J220R	E.CAPACITOR 6.3V 22U	2	
C115	EEFCD0G560R	E.CAPACITOR 4V 56U	1	
C116,17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C206-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	20	
C340-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C345	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C346-50	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C351	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C352-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C361	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C363	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C364-69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C380	VCEA1CAP330	C.CAPACITOR 16V 33U	1	F2D1C3300002
C401-16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C420	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C500-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	16	
C602,03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C610	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C612	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C614	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C618	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C619	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C620	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C621	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C622	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C623	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C624	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C625	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C626-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C700-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
IC100	LT1963EST	IC	1	
IC101,02	C0CBAAB00021	IC	2	
IC200-04	C0JBAF000315	IC	5	
IC205	C0JBAZ001880	IC	1	
IC206-09	TLCX245FT	IC	4	
IC210,11	C0JBAZ001880	IC	2	
IC212,13	TLCX245FT	IC	2	
IC214	C0JBAZ001880	IC	1	
IC215	TLCX245FT	IC	1	
IC216	C0JBAZ001880	IC	1	
IC217	TLCX245FT	IC	1	
IC218,19	TLCX00FT	IC	2	
IC340	C1ZBZ0001942	IC	1	
IC341	C3ABQG000041	IC	1	
IC342	C0JBAZ001907	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC400	UPD82277N003	IC	1	
IC401	C0JBAZ001880	IC	1	
IC500-11	C3ABQG000041	IC	12	
IC512-15	C3ABQB000001	IC	4	
IC600	C1ZBZ0001884	IC	1	
IC700	C0JBAZ001880	IC	1	
IC701	TVHC244FT	IC	1	
IC702-06	C0JBAF000315	IC	5	
IC709	S80715ANDC	IC	1	
ID1	VVVSI4241B	SOFTWARE	1	DOWNLOAD ONLY
IP700-02	C1ZBZ0001555	IC	3	
L100,01	VLF1151A132	COIL	2	
L102-05	VLP0192	COIL	4	
L108	VLP0192	COIL	1	
P100	VJP4064N160C	CONNECTOR (MALE)	1	K1KBG0A00006
P700,01	K1KA08B00147	CONNECTOR (FEMALE)	2	
R100	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R110	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R111	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R112-16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R120-66	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	47	
R168	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R169-71	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R172,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R174	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R175-83	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	9	
R191-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R207	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R208	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R209	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R210	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R211-14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R215-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	12	
R227,28	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R237	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R251	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R267	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R277	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R281	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R289	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R297	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R298	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R299	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R300	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R301	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R302	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R303	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R304	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R305	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R307	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R308	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R309	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R311-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R317,18	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R322	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R323	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R327	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R331	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R340	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R341	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R342,43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R344	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R345	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R346-49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R351	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R354-59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R362-64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R366	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R367,68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R371	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R373	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R374	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R375,76	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R377	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R378,79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R380	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R381	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R383	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R384	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R410	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R411-14	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R418,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R422-04	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	83	
R505-07	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	3	
R508,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R511	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R519-22	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	4	
R600	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601-03	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	12	
R619	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R621	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R622	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R623	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R624,25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R626	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R627	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R628	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R630	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R633	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R634	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R635-37	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R638	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R639	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R640	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R641	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R642	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R645	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R649,50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R651	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R652	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R653-60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R661	ERDS2TJ180	C.RESISTOR 1/4W 18	1	
R700	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R702	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R703	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R704-08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R710,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R713	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R714-53	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	40	
R754	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R756	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R758,59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R760	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R762-64	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R765	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R766,67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R770	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R773	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R774	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R775	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R776	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R777	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
TG100-05	EYF6CU	TEST POINT	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP200,01	EYF6CU	TEST POINT	2	
TP340,41	EYF6CU	TEST POINT	2	
TP343-52	EYF6CU	TEST POINT	10	
TP355,56	EYF6CU	TEST POINT	2	
TP358	EYF6CU	TEST POINT	1	
TP361	EYF6CU	TEST POINT	1	
TP363-65	EYF6CU	TEST POINT	3	
TP369,70	EYF6CU	TEST POINT	2	
TP372,73	EYF6CU	TEST POINT	2	
TP400-09	EYF6CU	TEST POINT	10	
TP600	EYF6CU	TEST POINT	1	
TP603,04	EYF6CU	TEST POINT	2	
TP606,07	EYF6CU	TEST POINT	2	
TP612,13	EYF6CU	TEST POINT	2	
TP615	EYF6CU	TEST POINT	1	
TP623-25	EYF6CU	TEST POINT	3	
TP654,55	EYF6CU	TEST POINT	2	
TP657-59	EYF6CU	TEST POINT	3	
TP700,01	EYF6CU	TEST POINT	2	
TP703	EYF6CU	TEST POINT	1	
TP705	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	XYN3+K6	SCREW	6	
	VMX2020	P.C.BOARD POST	2	K9ZZ00000689
	VMP7960	UC P.C.B. MOUNT ANGLE	1	
■ E2	VEP83634B	SGEN SDI P.C.BOARD	1	(RTL)
■ E2-1	VEP83631A	HD SDI RX P.C.BOARD	1	(RTL)FOR VEP873634B
■ E2-2	VEP83632A	HD SDI TX P.C.BOARD	1	(RTL)FOR VEP873634B
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3	F3K1A2260001	T.CAPACITOR CH 10V 22U	1	FOR VEP83632A
C5	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C6	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C7	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83632A
C8	EEFCD0K330R	E.CAPACITOR 8V 33U	1	FOR VEP83632A
C10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C10	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C11	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C12	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83632A
C12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C12	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP83631A
C14	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	FOR VEP83632A
C14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C14	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP83631A
C15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C15	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83632A
C15	F3K0J3360001	T.CAPACITOR CH6.3V 33U	1	FOR VEP83631A
C16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C16	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C17	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C17	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C18	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	FOR VEP83631A
C18,19	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C19	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C20	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C21	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83631A
C22	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C22	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83631A
C23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C23	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C23	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C24	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C24	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C25	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C26	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C26	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C26	F3K0J3360001	T.CAPACITOR CH6.3V 33U	1	FOR VEP83631A
C27	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C27	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C27	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C28	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C28	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C28	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C29	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C29	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C29	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C30	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C30	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C31	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C31	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C31	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C32	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83631A
C32	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C33	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83631A
C34	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C34	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C35	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C35	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C36	ECUM1H222JN	C.CAPACITOR CH 50V 2200P	1	F1J1H222A508 FOR VEP83631A
C37	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C39	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83632A
C39	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C40	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83632A
C40	F3K0J3360001	T.CAPACITOR CH6.3V 33U	1	FOR VEP83631A
C41	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83632A
C41	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C42	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83632A
C42	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C43	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C43	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C44	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C45	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C45	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C46	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C46	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83631A
C47	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C48	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C48	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C49	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83631A
C49	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C50	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C50	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C51	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C52	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C53	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C54	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C55	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C55	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C56	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C56	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C57	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C57	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C58	EEFCD0K330R	E.CAPACITOR 8V 33U	1	FOR VEP83631A
C58	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	1	FOR VEP83632A
C59	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C59	F3K1C106A005	T.CAPACITOR CH 16V 10U	1	FOR VEP83632A
C60	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83631A
C61	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C61	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C62	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	FOR VEP83631A
C63	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83631A
C67	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	FOR VEP83632A
C68	EEFCD0K330R	E.CAPACITOR 8V 33U	1	FOR VEP83632A
C69-72	F1H0J2250003	C.CAPACITOR CH6.3V 2.2U	4	FOR VEP83632A
C73	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	FOR VEP83632A
C101,02	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C103	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C104	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C105-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C116	ECA1CEN470	E.CAPACITOR 16V 47P	1	
C120	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C126,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C129	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C131	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C132	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C137	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C140	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C144	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C146	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C147	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C148	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C150	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C152	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C153	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C154	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C156	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C159,60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C162	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C165,66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C200-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C204	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C205,06	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C207	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C300	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C301	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C302	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C303,04	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C305,06	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C307	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C308,09	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C310,11	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C312	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C313	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C314-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C318	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C319	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C320-22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C323	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C324	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C325	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C326-28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C329	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C330-33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C334,35	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C336-38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C339	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C340	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C341-43	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C344	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C345-48	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C350-52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C400,01	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C402	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C403-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C406	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C407	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C408	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C409-14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C415	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C416	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C417	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C418	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C422-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C426	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C503-05	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C508	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C510-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C516,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C519	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C520-26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C527,28	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C529-32	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C602-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C613	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C614	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C616	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C617,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C619	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C620	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C621	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C622,23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C624	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C625	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C626-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	19	
C701,02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C703	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C704-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C707	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C708,09	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C710	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
D300,01	MA3J14300L	DIODE	2	
D400,01	MA3J14300L	DIODE	2	
D402	MA4030-L	DIODE	1	
D500,01	MA3J14300L	DIODE	2	
IC2	C0CBABD00005	IC	1	
IC3	C0CBAAD00008	IC	1	FOR VEP83632A
IC3	C0CBABD00005	IC	1	
IC3	C1AB00001653	IC	1	FOR VEP83631A
IC4	C0CBAAD00008	IC	1	FOR VEP83631A
IC4	C0JBBZ000174	IC	1	FOR VEP83632A
IC5	C1AB00001900	IC	1	FOR VEP83631A
IC5	C1ZBZ0001555	IC	1	
IC5	C9ZB00000361	IC	1	FOR VEP83632A
IC6	C1ZBZ0002146	IC	1	FOR VEP83632A
IC6	C9ZB00000361	IC	1	FOR VEP83631A
IC6	LT1129CS8	IC	1	
IC7	C0JBBZ000174	IC	1	FOR VEP83631A
IC7	LT1175CS8	IC	1	
IC8	C1ZBZ0001555	IC	1	
IC8	LT1086CM33	IC	1	FOR VEP83631A
IC100	TC7W53FU	IC	1	
IC101	C1AB00000234	IC	1	
IC102	C0JBAM000039	IC	1	
IC103	C0BBZB000001	IC	1	
IC104	C0JBAM000039	IC	1	
IC105	C0JBCA000066	IC	1	
IC106	C0JBAM000045	IC	1	
IC107	C0JBAA000175	IC	1	
IC108	C0ABEB000017	IC	1	
IC109	AD8055AR	IC	1	C0ABGB000013
IC112	GS4981-C	IC	1	
IC114	TC7W53FU	IC	1	
IC116	TC7W53FU	IC	1	
IC119	C0BBZB000001	IC	1	
IC200	UPD65650J203	IC	1	C1ZBZ0001380
IC201	C0JBAM000039	IC	1	
IC300-02	MM74HC221AM	IC	3	C0JBAM000078
IC303	C0JBAM000039	IC	1	
IC304-06	C0ABEB000017	IC	3	
IC307	C0JBAR000353	IC	1	
IC308	C0JBAS000075	IC	1	
IC309	TC7W53FU	IC	1	
IC310	C0JBAB000200	IC	1	
IC311	C0JBAZ000851	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC312	XC62GR5022P	IC	1	
IC314	C0JBAZ000279	IC	1	
IC316	XC62GR5022P	IC	1	
IC320	C0JBAZ000606	IC	1	
IC338	C0JBAA000175	IC	1	
IC339	C0BBZB000001	IC	1	
IC340	C0JBAA000261	IC	1	
IC400	C0JBAA000175	IC	1	
IC401	C0JBAZ000279	IC	1	
IC403	C0ABEB000017	IC	1	
IC405	DS90LV047AC	IC	1	
IC406	C0JBAZ000851	IC	1	
IC407	C0CBADD00003	IC	1	
IC408	C0CBBDB00004	IC	1	
IC409,10	TC7W53FU	IC	2	
IC411	C0CBABD00005	IC	1	
IC500	C0JBAA000175	IC	1	
IC502,03	C0ABEB000017	IC	2	
IC504	C0JBAZ000279	IC	1	
IC506	C0JBAZ000851	IC	1	
IC508	M62370GP	IC	1	C0FBBD000082
IC509	C0CBBDB00004	IC	1	
IC510	C0CBADD00003	IC	1	
IC600	C0JBAZ001728	IC	1	
IC601	C0JBAZ001003	IC	1	
IC602,03	IDTLVC16245F	IC	2	
IC604	C0JBAZ000851	IC	1	
IC605,06	TLCX245FT	IC	2	
IC609	C0JBAB000200	IC	1	
IC610	C0JBAZ001728	IC	1	
IC613	C1ZBZ0002370	IC	1	
IC614	DS90LV047AC	IC	1	
IC615	DS90CR218MTD	IC	1	C0ZBZ0000468
IC618,19	C0CBABD00005	IC	2	
IC620	DS90LV048AC	IC	1	
IC622	DS90CR217MTD	IC	1	C0ZBZ0000466
IC623	TLCX04F	IC	1	
IC624,25	C0JBAZ001825	IC	2	
IC700	C1AB00001386	IC	1	
IC701	C0CBADD00003	IC	1	
ID0	VVVSI4287B	SOFTWARE	1	DOWNLOAD ONLY
J1-J3	VJP4131	CONNECTOR (MALE)	3	K1QZB1AD0003 FOR VEP83631A
J4	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83631A
J5	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83631A
J5 02	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83632A
J700,01	VJP4131	CONNECTOR (MALE)	2	K1QZB1AD0003
L1	VLP0183	COIL	1	J0JKC0000007
L3	VLP0183	COIL	1	J0JKC0000007 FOR VEP83632A
L4	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83631A
L4	VLP0183	COIL	1	J0JKC0000007 FOR VEP83632A
L5	G1C6N8J00006	COIL 6.8UH	1	FOR VEP83631A
L5	VLF1151A132	COIL	1	FOR VEP83632A
L5	VLP0183	COIL	1	J0JKC0000007
L6	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83632A
L6	VLP0173	COIL	1	J0JGC0000015 FOR VEP83631A
L6	VLP0183	COIL	1	J0JKC0000007
L7	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83631A
L7	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83632A
L7	VLP0183	COIL	1	J0JKC0000007
L8	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83631A
L13	G1C3N3Z00008	COIL 3.3UH	1	FOR VEP83632A
L100	VLQ0163J390	COIL 39UH	1	
L101	VLQ0163J680	COIL 68UH	1	
L300	J0JCC0000119	FILTER	1	
L301	G1C221J00003	COIL 220UH	1	
L700,01	VLQ0426J010	COIL 1UH	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055 FOR VEP83631A
P2	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055 FOR VEP83632A
P2	VJS4168B008	CONNECTOR (FEMALE)	1	K1KB08B00038
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P600	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
P700	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
Q1	B1ABBB000017	TRANSISTOR	1	FOR VEP83632A
Q2	2SC5185	TRANSISTOR	1	FOR VEP83631A
Q3	B1ABBB000017	TRANSISTOR	1	FOR VEP83632A
Q3	B1ABBB000021	TRANSISTOR	1	FOR VEP83631A
Q4	2SC5185	TRANSISTOR	1	FOR VEP83631A
Q5	2SC5185	TRANSISTOR	1	FOR VEP83632A
Q5	B1ABBB000021	TRANSISTOR	1	FOR VEP83631A
Q6,Q7	2SC5185	TRANSISTOR	2	FOR VEP83632A
Q100	2SD601A-R	TRANSISTOR	1	
Q101	2SA1532-B	TRANSISTOR	1	
Q102,03	2SD601A-R	TRANSISTOR	2	
R1	EXBV8V102J	COMBI.R-R 1K	1	
R2	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R3	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R3	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	FOR VEP83631A
R4	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83631A
R5	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R5	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R7	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R7	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	FOR VEP83631A
R8	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R9	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R9	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R9	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	FOR VEP83631A
R10	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R11	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R11	EXBV8V101J	COMBI.R-R 100	1	
R12	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R12	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R13	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R13,14	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	FOR VEP83631A
R15	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R15	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R16	D1H810040003	COMBI.R-R 10	1	FOR VEP83632A
R16	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R18,02	D1H810040003	COMBI.R-R 10	2	FOR VEP83632A
R19	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83631A
R20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP83631A
R21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R21	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005 FOR VEP83631A
R22,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP83632A
R23	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83631A
R24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R24	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	FOR VEP83631A
R25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R27	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83631A
R27	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83631A
R30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP83632A
R31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83632A
R32	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R33	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R34	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R34	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R35	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R36	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R36,37	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	2	FOR VEP83631A
R37	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	FOR VEP83632A
R38	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83631A
R39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R41	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R42	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R43	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	FOR VEP83632A
R44	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	FOR VEP83631A
R44	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	FOR VEP83632A
R45	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R46	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R46	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83631A
R47	D1H84704A008	COMBI.R-R 47	1	FOR VEP83631A
R47	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R48	D1H84704A008	COMBI.R-R 47	1	FOR VEP83631A
R48	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R49,50	D1H84704A008	COMBI.R-R 47	2	FOR VEP83631A
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83632A
R51	D1H84704A008	COMBI.R-R 47	1	FOR VEP83631A
R52	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R52	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83631A
R53	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83631A
R54	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R54	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83631A
R55	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83631A
R56	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83632A
R56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83631A
R57	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83631A
R58	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R58	VRE006610102	M.RESISTOR CH 1/10W 1K	1	D0YD102JA007 FOR VEP83631A
R59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R59	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	FOR VEP83631A
R60	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R60	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83631A
R61	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R63	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R63	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	FOR VEP83631A
R64	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83631A
R64	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	FOR VEP83632A
R65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP83631A
R65	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83632A
R66	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP83631A
R67	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83632A
R68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP83631A
R68	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83632A
R69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R69	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83632A
R70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R70	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	FOR VEP83632A
R71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R71	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R72	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R73	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R74	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R75	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R75	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R76	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R76	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R77	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R77	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R78	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R78	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R79	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R79	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R80	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R80	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R81	D1H810040003	COMBI.R-R 10	1	FOR VEP83631A
R81	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83632A
R82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R83	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	FOR VEP83632A
R84	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R84	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83632A
R85	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R85	VRE006622152	M.RESISTOR CH 1/10W 1.5K	1	D0YD152JA008 FOR VEP83632A
R86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83631A
R86	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	FOR VEP83632A
R87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83631A
R88	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83631A
R88	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R89,90	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	FOR VEP83632A
R91,92	ERJ3RED180	M.RESISTOR CH 1/16W 18	2	FOR VEP83632A
R93,94	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	FOR VEP83632A
R95	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	FOR VEP83632A
R96-99	ERJ3RED680	M.RESISTOR CH 1/16W 68	4	FOR VEP83632A
R100,01	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	FOR VEP83632A
R102	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R102	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP83632A
R103	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R103	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP83632A
R104	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R105	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R105	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83632A
R106	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83632A
R106	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R109,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R111	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R112	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R113	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R114	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R115	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R116	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R117	ERJ3RED184	M.RESISTOR CH 1/16W 180K	1	
R118	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R120	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R123	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R125	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R126	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R131	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R132	ERJ3RED394	M.RESISTOR CH 1/16W 390K	1	
R133	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R135	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R138	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R139	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R141	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R143	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R144	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R146,47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R148	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R200	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R201	EXBV8V102J	COMBI.R-R 1K	1	
R202-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R206	ERJ3RED154	M.RESISTOR CH 1/16W 150K	1	
R207	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R208,09	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R210	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R300	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R301	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R302	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R303,04	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R305,06	ERJ3RBD561	M.RESISTOR CH 1/16W 560	2	
R307,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R309	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R310	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R311	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R312,13	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R314	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R315	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R316,17	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R318	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R319	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R320	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R321	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R322	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R323,24	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R325	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R326,27	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R328	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R329	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R330	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R331	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R335-37	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R339-41	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R400	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R401	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R402	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R403	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R404	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R405	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R406	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R407	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R408	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R409	ERJ3RED124	M.RESISTOR CH 1/16W 120K	1	
R410	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R412	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R413	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R415	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R416,17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R420	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R500-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R503-05	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R507	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R508	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R509	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R510	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R511	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R512	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R513	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R515	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R517	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R518	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R519	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	1	
R520	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R521,22	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R523	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R525,26	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R527	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R600,01	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R603,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R605	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R606	EXBV8V102J	COMBI.R-R 1K	1	
R608,09	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R611	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R612	D1H833040002	COMBI.R-R 33	1	
R613,14	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R615	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R616	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R617,18	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R621,22	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R623,24	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R625	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R626-31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R632-35	EXBV8V102J	COMBI.R-R 1K	4	
R636-46	D1H833040002	COMBI.R-R 33	11	
R647,48	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R650	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R651	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R652	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R653-56	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R658,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R660,61	EXBV8V101J	COMBI.R-R 100	2	
R662	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R663,64	D1H833040002	COMBI.R-R 33	2	
R665	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R666-69	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R670	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R671	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R672	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R673,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R675-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R682	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R684-88	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	5	
R689	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R690-94	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R697	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R698,99	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R700-02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R703	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R705	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R707	ERJ3RHD3740	M.RESISTOR CH 1/16W 370K	1	
R708	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R709-12	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R713-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
SW1	VSS0367-02B	SWITCH	1	FOR VEP83631A
TG1	EYF6CU	TEST POINT	1	
TG1	EYF6CU	TEST POINT	1	FOR VEP83631A
TG6	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP2	EYF6CU	TEST POINT	1	
TP3	EYF6CU	TEST POINT	1	FOR VEP83631A
TP100	EYF6CU	TEST POINT	1	
TP113,14	EYF6CU	TEST POINT	2	
TP200	EYF6CU	TEST POINT	1	
TP203	EYF6CU	TEST POINT	1	
TP205	EYF6CU	TEST POINT	1	
TP300,01	EYF6CU	TEST POINT	2	
TP401	EYF6CU	TEST POINT	1	
TP603-07	EYF6CU	TEST POINT	5	
TP609,10	EYF6CU	TEST POINT	2	
TP614	EYF6CU	TEST POINT	1	
VR300,01	VRV0113B103	V.RESISTOR 10K	2	
VR302,03	VRV0113B503	V.RESISTOR 50K	2	D3EC45030002
VR304,05	VRV0113B502	V.RESISTOR 5K	2	D3EC45020002
VR400,01	VRV0113B502	V.RESISTOR 5K	2	D3EC45020002
X1	H4G1487B0002	CRYSTAL OSCILLATOR	1	FOR VEP83631A
X1	H4G1487B0002	CRYSTAL OSCILLATOR	1	FOR VEP83632A
X300	VSX0688	CRYSTAL OSCILLATOR	1	H1C1435B0001
X301	VSX0689	CRYSTAL OSCILLATOR	1	H1C1775B0002
X302	VSX0677	CRYSTAL OSCILLATOR	1	H1C1355B0002
X400	H1C7415B0003	CRYSTAL OSCILLATOR	1	
X401	H1C7425B0003	CRYSTAL OSCILLATOR	1	
X500	VSX0906	CRYSTAL OSCILLATOR	1	H4G2705A0001
X501	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XNG3ES	NUT	2	
	XYN3+J8	SCREW	2	
	XYN2+J6	SCREW	2	
	VMS4950	P.C.B. POST	8	
	XYN26+J6	SCREW	16	
	VMP6727	CONNECTOR MOUNT PLATE A	1	
	VMP7966	CONNECTOR MOUNT PLATE B	1	
	VMX3062	BNC CNCT HOLDER RUBBER	1	
	VMX3064	CONNECTOR HOLDER RUBBER C	1	
	VMX3405	CONNECTOR HOLDER RUBBER E	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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ELECTRICAL REPLACEMENT PARTS LIST
(AJ-YAD120AG)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83651A	1394 IF P.C.BOARD	1	(RTL)
■ E2	VEP80D12A	CN P.C.BOARD	1	
■ E1	VEP83651A	1394 IF P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3,C4	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C8-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C12,13	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C14	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C16,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C18,19	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C20,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C22	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C23-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C26	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C50,51	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C53	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C55	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C56-66	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C67	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C68,69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C71	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C76	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C100	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C150	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C151	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C152	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C153	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C154	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C155	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C156	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C157	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C158-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C161	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C162,63	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C164	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C165-71	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C172	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C173-78	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C200,01	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C250,51	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C252	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C253-55	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C256	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C257-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C261	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C263,64	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C266	EEFCD0K330R	E.CAPACITOR 8V 33U	1	
C300-03	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C304	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C305-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C311	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C312	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C313-15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C316	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C317,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C319	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C320-25	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C350-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C400-07	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C450-61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	12	
C500	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C502-09	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C550,51	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	2	
C552-56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C561	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C571,72	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C573	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C574	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C670	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C671,72	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C673	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C674	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C675	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C676	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C677	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C678	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C679	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C680	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C681-83	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
D50-54	LN1271RAL	DIODE	5	
D500	LN1271RAL	DIODE	1	
D670	MA2SV0100L	DIODE	1	
IC1	C0CBAAD00023	IC	1	
IC2	C0EBE0000209	IC	1	
IC3,C4	C0CBAAD00008	IC	2	
IC5	C0CBAAG00019	IC	1	
IC6	C0DBAHC00028	IC	1	
IC50	C2GBC0000084	MICRO CONTROLLER	1	
IC51	C0JBAA000174	IC	1	
IC53	TC7W241FU	IC	1	
IC55	C3EBFG000004	IC	1	
IC56	TC7SH32FU	IC	1	
IC58	C0JBAZ000516	IC	1	
IC60	C1AB00001228	IC	1	
IC100	IDT71V321L5F	IC	1	C3HBCC000023
IC150	C9ZB00000410	IC	1	
IC200	C3ABRG000011	IC	1	
IC250	C1DB00000873	IC	1	
IC300	VSI4128A	IC	1	
IC301	C3ABQG000045	IC	1	
IC350	T160G70-1601	IC	1	
IC400	MN673797A	IC	1	
IC450	C1ZBZ0002432	IC	1	
IC500	TC7W241FU	IC	1	
IC502	C1ZBZ0002224	IC	1	
IC503	C3FBMG000011	IC	1	
IC551,52	C0JBAZ001825	IC	2	
IC556,57	C0JBAZ001907	IC	2	
IC560	C0JBAZ001825	IC	1	
IC561,62	C0JBAB000422	IC	2	
IC600	C0JBAZ000279	IC	1	
IC601	C0JBAZ000529	IC	1	
IC602	C0JBAZ001825	IC	1	
IC604	C0ABHA000020	IC	1	
ID0	VVVSI4282D	SOFTWARE	1	DOWNLOAD ONLY
ID1	VVVSI4288C	SOFTWARE	1	DOWNLOAD ONLY
L1	VLP0183	COIL	1	J0JKC0000007
L3	VLP0183	COIL	1	J0JKC0000007
L50	VLQ0319K470	COIL 47UH	1	G1C470K00013
L250	VLQ0319K470	COIL 47UH	1	G1C470K00013
L251,52	J0LB00000048	FILTER	2	
L550	VLQ0319K470	COIL 47UH	1	G1C470K00013
L670	VLQ0163J470	COIL 47UH	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L671	G3AR56Z00001	COIL 0.56UH	1	
P1	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055
P2	VJS3791B020	CONNECTOR (FEMALE)	1	
P50	K1KA10A00303	CONNECTOR (MALE)	1	
P250	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P500	K1KA08B00147	CONNECTOR (FEMALE)	1	
⚠ Q1	HAT1033T	TRANSISTOR	1	
Q670	2SA153200L	TRANSISTOR	1	
Q671	2SC3930	TRANSISTOR	1	
QR1	UNR521400L	TRANSISTOR-RESISTOR	1	
QR50-54	UNR521400L	TRANSISTOR-RESISTOR	5	
QR500	UNR521400L	TRANSISTOR-RESISTOR	1	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R2	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4-R6	D1H84704A008	COMBI.R-R 47	3	
R7	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8	EXBV8V102J	COMBI.R-R 1K	1	
R9,10	D1H847240002	COMBI.R-R 4.7K	2	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R12	EXBV8V102J	COMBI.R-R 1K	1	
R15	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R16	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R50	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R52	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R53-55	EXBV8V102J	COMBI.R-R 1K	3	
R56-61	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	6	
R62	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R63,64	EXBV8V102J	COMBI.R-R 1K	2	
R65	D1H847240002	COMBI.R-R 4.7K	1	
R74	EXBV8V102J	COMBI.R-R 1K	1	
R75	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R76	EXBV8V102J	COMBI.R-R 1K	1	
R77	D1H833040002	COMBI.R-R 33	1	
R78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R80	D1H833040002	COMBI.R-R 33	1	
R81	EXBV8V102J	COMBI.R-R 1K	1	
R82	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R85	EXBV8V102J	COMBI.R-R 1K	1	
R86	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R87	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R92	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R93	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R95	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R101-04	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R105,06	D1H833040002	COMBI.R-R 33	2	
R151	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R157	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R159	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R161,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R163	D1H847240002	COMBI.R-R 4.7K	1	
R165	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R166	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R168,69	D1H847240002	COMBI.R-R 4.7K	2	
R172,73	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R200	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R250	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R251	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R252	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R253,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R256	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R257	D0GZ103J0001	M.RESISTOR CH 10K	1	
R258	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R259	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R261	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	1	
R262-65	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	4	D0GD560JA003
R266	ERJ6GEYJ512V	M.RESISTOR CH 1/10W 5.1K	1	D0GD512JA003
R268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R270,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R300-02	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R306	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R307	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R309	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R310	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R315	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R400-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R406-09	D1H833040002	COMBI.R-R 33	4	
R410,11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R412-14	D1H833040002	COMBI.R-R 33	3	
R415,16	EXBV8V101J	COMBI.R-R 100	2	
R417,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R451	D1H833040002	COMBI.R-R 33	1	
R453,54	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R455	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R456	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R457-65	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	9	
R467,68	D1H833040002	COMBI.R-R 33	2	
R469,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R471	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R472	D1H847240002	COMBI.R-R 4.7K	1	
R473	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R474-77	EXBV8V102J	COMBI.R-R 1K	4	
R478,79	D1H833040002	COMBI.R-R 33	2	
R480-82	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R484,85	EXBV8V102J	COMBI.R-R 1K	2	
R486	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R492	EXBV8V102J	COMBI.R-R 1K	1	
R503	D1H847240002	COMBI.R-R 4.7K	1	
R504-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R509	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R514	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R515-17	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R519-22	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R523-27	D1H847240002	COMBI.R-R 4.7K	5	
R550	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R551	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R552	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R553	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R554	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R556,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R558	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R559-62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R563	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R564	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R565,66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R567,68	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R569,70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R573-75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R577	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R578	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R579	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R580,81	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R585,86	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R597	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R598	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R599	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R670	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R671,72	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R673	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R674	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R676	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R677	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R678	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R679	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R680	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R681	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R682	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R683	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R684	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R685,86	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R687	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R688,89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R690,91	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R692,93	D1H833040002	COMBI.R-R 33	2	
R694	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW50,51	K0D141A00002	SWITCH	2	
TG1,G2	EYF6CU	TEST POINT	2	
TP70	EYF6CU	TEST POINT	1	
TP401	EYF6CU	TEST POINT	1	
TP404	EYF6CU	TEST POINT	1	
TP450	EYF6CU	TEST POINT	1	
TP454,55	EYF6CU	TEST POINT	2	
TP461,62	EYF6CU	TEST POINT	2	
TP481-83	EYF6CU	TEST POINT	3	
TP550	EYF6CU	TEST POINT	1	
TP554	EYF6CU	TEST POINT	1	
TP670,71	EYF6CU	TEST POINT	2	
VC670	VCV0050	TRIMMER	1	
X50	H0J921400004	CRYSTAL OSCILLATOR	1	
X250	VSX0974	CRYSTAL OSCILLATOR	1	H0J245500010
X550	H0J180500011	CRYSTAL OSCILLATOR	1	
X551	VSX0983	CRYSTAL OSCILLATOR	1	H1A2705B0007
		MISCELLANEOUS		
	VMS4950	P.C.B. POST	3	
	XYN26+J6	SCREW	6	
	C1ZBZ0002330	IC	1	
■ E2	VEP80D12A	CN P.C.BOARD	1	(RTL)
D1-D4	D4ED12700007	DIODE	4	
D5	B0KB00000041	DIODE	1	
P1	K1FA106E0001	CONNECTOR	1	
P2	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
		MISCELLANEOUS		
	VJF1490	CONNECTOR HOLDER A	1	
	VJF1491	CONNECTOR HOLDER B	1	
	XYN2+J6	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks